## **CHAPTER 5: LITERATURE CITED**

Adams, C., M. Richmond, L. Rudstam, and J. Forney. 1999. Diet of Double-crested Cormorants in a New York Lake With a Long-Term Study of Walleye and Yellow Perch Populations. Cooperative Fish and Wildlife Research Unit, Cornell University, Ithaca, New York, and Cornell Biological Field Station, Bridgeport, New York.

Aderman, A.R. and E.P. Hill. 1995. Locations and numbers of double-crested cormorants using winter roosts in the Delta region of Mississippi. Colonial Waterbirds 18 (Spec. Publ. 1): 143-51.

Ainley, D.G., D.W. Anderson, and P.W. Kelly. 1981. Feeding ecology of marine comorants in southwestern North America. Condor. 83: 120-131.

Allardice, D.R. and S. Thorp. August 1995. A changing Great Lakes economy: economic and environmental linkages. SOLEC Working Paper presented at the State of the Lakes Ecosystem Conference. EPA 905-R-95-017. Chicago, Ill: U.S. Environmental Protection Agency.

Anderson, D.W. and F. Hamerstrom. 1967. The recent status of Wisconsin cormorants. Passenger Pigeon 29(1): 3-15.

Anderson, D.W. and J.J. Hickey. 1972. Eggshell changes in certain North American birds. Proc. Int. Ornithol. Congr. 15: 514-40.

Anderson, J.E. 1991. A conceptual framework for evaluating and quantifying naturalness. Cons. Biol. 5:347-52.

Anonymous. 1999. Little Galloo Island double-crested cormorant toxicology study. Chopra-Lee, Inc. Unpubl. Report.

ASA (American Sportfishing Association). 1996. The economic importance of sport fishing. 10pp.

Avery, M.L., D.S. Eiselman, M.K. Young, J.S. Humphrey, and D.G. Decker. 1999. Wading bird predation at tropical aquaculture facilities in central Florida. North American Journal of Aquaculture 61:64-69.

Baillie, J.L. 1939. Four additional breeding birds of Ontario. Can. Field-Naturalist 53(8): 130-131.

Baillie, J.L. 1947. The double-crested cormorant nesting in Ontario. Canadian Field-Naturalist. 61: 119-26.

Banks, P.B. 2000. Can foxes regulate rabbit populations? J. Wildl. Manage. 64(2): 401-6.

Barlow, C.G. and K. Bock. 1984. Predation of fish in farm dams by cormorants, P. spp. Aust. Wildl. Res. 11: 559-566.

Bayer, R. D. 1989. The cormorant/fisherman conflict in Tillamook County, Oregon. Studies in Oregon Ornithology No. 6.

- Bayer, R.D. 2000. Cormorant harassment to protect juvenile salmonids in Tillamook County, Oregon. Studies in Oregon Ornithology No. 9. 66 pages.
- Bayer, R.D. and R.W. Ferris. 1987. Reed Ferris' 1930-1943 bird banding records and bird observation for Tillamook County, Oregon. Studies in Oregon Ornithology No. 3, Newport, Oregon.
- Bédard, J. A. Nadeau, and M. Lepage. 1995. Double-crested cormorant culling in the St. Lawrence River Estuary. Colonial Waterbirds 18 (Spec. Publ. 1): 78-85.
- Bédard, J., A. Nadeau, and M. Lepage. 1999. Double-crested cormorant culling in the St. Lawrence River Estuary: results of a 5-year program. Pages 147-154 *In* Symposium on Double-crested Cormorants: Population Status and Management Issues in the Midwest (M.E. Tobin, ed.). USDA Tech. Bull. No. 1879. 164pp.
- Belant, J.L., L.A. Tyson, and P.A. Mastrangelo. 2000. Effects of lethal control at aquaculture facilities on populations of piscivorous birds. Wildlife Society Bulletin. 28(2): 379-384.
- Belonger, B. 1983. Double-crested cormorant study results and recommendations (Green Bay, Wisconsin). Wisc. Dep. Nat. Res., interoffice correspondence to C. E. Higgs, 23 December 1983, File ref. 1720.
- Belyea, G.Y., S.L. Maruca, J.S. Diana, P.J. Schneeberger, S.J. Scott, R.D. Clark, Jr., J.P. Ludwig, and C.L. Summer. 1999. Impact of double-crested cormorant predation on the yellow perch population of the Les Cheneaux Islands of Michigan. Pages 47-59 *In* Symposium on Double-crested Cormorants: Population Status and Management Issues in the Midwest (M.E. Tobin, ed.). USDA Tech. Bull. No. 1879. 164pp.
- Birt, V.L., T.P. Birt, D. Goulet, D.K. Cairns, and W.A. Montevecchi. 1987. Ashmole's halo: direct evidence for prey depletion by a seabird. Mar. Ecol. Prog. Ser. 40: 205-8.
- Bishop, C.A., D.V. Weseloh, N.M. Burgess, J. Struger, R.J. Norstrom, R. Turle and K.A. Logan. 1992a. An atlas of contaminants in eggs of fish-eating colonial birds of the Great Lakes (1970-1988), Vol. I, Accounts by locations and species. Canadian Wildlife Service Technical Report Series No. 152: 1-318.
- Bishop, C.A., D.V. Weseloh, N.M. Burgess, J. Struger, R.J. Norstrom, R. Turle and K.A. Logan. 1992b. An atlas of contaminants in eggs of fish-eating colonial birds of the Great Lakes (1970-1988), Vol. II, Accounts by chemical. Canadian Wildlife Service Technical Report Series No. 153: 1-350.
- Bivings, A. E., M. D. Hoy, and J. W. Jones. 1989. Fall food habits of Double-crested Cormorants. U.S. For. Serv. Gen. Tech. Rep. RM-171 (Proc. Great Plains Wildl. Damage Control Workshop 9): 142-143.
- Blackwell, B.F. and W.B. Krohn. 1997. Spring foraging distribution and habitat selection by double-crested cormorants on the Penobscot River, Maine USA. Colonial Waterbirds 20(1): 66-76.
- Blackwell, B.F., W.B. Krohn, and R.B. Allen. 1995. Foods of nestling double-crested cormorants in Penobscot Bay, Maine, USA: temporal and spatial considerations. Colonial Waterbirds 18: 199-208.
- Blackwell, B.F., W.B. Krohn, N.R. Dube, and A.J. Godin. 1997. Spring prey use by double-crested cormorants on the Penobscot River, Maine. Colonial Waterbirds 20(1): 77-86.

Blokpoel, H. 1976. Bird Hazards to Aircraft. Books Canada Inc. Buffalo, NY 236pp.

Blokpoel, H. and R.M.G. Hamilton. 1989. Effects of applying white mineral oil to chicken and gull eggs. Wildl. Soc. Bull. 17: 435-441.

Blokpoel, H. and A. Harfenist. 1986. Comparison of 1980 and 1984 inventories of common tern, Caspian tern and double-crested cormorant colonies in the eastern North Channel, Lake Huron, Ontario, Canada. Colonial Waterbirds 9: 61-7.

Boyle, K.J., B. Roach, and D.G. Waddington. 1998. 1996 net economic values for bass, trout and walleye fishing, deer, elk and moose hunting, and wildlife watching: addendum to the 1996 National Survey of Fishing, Hunting and Wildlife-Associated Recreation. Report 96-2. U.S. Fish and Wildlife Service, Division of Federal Aid.

BPA (Bonneville Power Administration). 2001. Avian predation on juvenile salmonids in the Lower Columbia River research project: Final Environmental Assessment and Finding of No Significant Impact. DOE/EA-1374. April 2001.

Braune, B.M. 1987. Comparison of total mercury levels in relation to diet and molt for nine species of marine birds. Arch. Environ. Contam. Toxicol. 16: 217-24.

Bregnballe, T., J.D. Goss-Custard, and S.E.A. le V. Dit Durell. 1997. Management of cormorant numbers in Europe: a second step towards a European conservation and management plan. Cormorants and human interests, proceedings of the workshop towards an International Conservation and Management Plan for the Great Cormorant (Phalacrocorax carbo). Pages 62-122.

Brown, T.L., B.A. Knuth, and F.C. Menz. 1991. Lake Ontario's sport fisheries: socioeconomic research progress and needs. Can. J. fish. Aquat. Sci. 48: 1595-601.

Brugger, K. E. 1993. Digestibility of three fish species by Double-crested Cormorants. Condor 95: 25-32.

Brugger, K. E. 1995. Double-crested Cormorants and fisheries in Florida. Colonial Waterbirds 18 (Spec. Publ. 1): 110-117.

Buckley, P.A. and F.G. Buckley. 1984. Expanding double-crested cormorant and laughing gull populations on Long Island, NY. Kingbird 34: 146-55.

Bur, M.T., S.L. Tinnirello, C.D. Lovell, and J. Tyson. 1999. Diet of the double-crested cormorant in western Lake Erie. Pages 73-85 *In* Symposium on Double-crested Cormorants: Population Status and Management Issues in the Midwest (M.E. Tobin, ed.). USDA Tech. Bull. No. 1879. 164pp.

Cairns, D.K. 1992a. Population regulation of seabird colonies. Current Ornithol. 9: 37-61.

Cairns, D.K. 1992b. Bridging the gap between ornithology and fisheries science: use of seabird data in stock assessment models. Condor 94: 811-24.

Cairns, D.K. 1998. Diet of cormorants, mergansers, and kingfishers in northeastern North America. Canadian Tech. Rep. Of Fisheries and Aquatic Sciences. No. 2225.

Cairns, D.K., R.L. Dibblee, and P.-Y. Daoust. 1998. Displacement of a large double-crested cormorant, Phalacrocorax auritus, colony following human disturbance. The Canadian Field-Naturalist. 112(3): 520-522.

Campo, J.J., B.C. Thompson, J.C. Barron, R.C. Telfair II, P. Durocher, and S. Gutreuter. 1993. Diet of double-crested cormorants wintering in Texas. J. of Field Ornithol. 64(2): 135-144.

Carney, K.M. and W.J. Sydeman. 1999. A review of human disturbance effects on nesting colonial waterbirds. Waterbirds 22: 68-79.

Carter, H.R., G.J. McChesney, D.L. Jaques, C.S. Strong, M.W. Parker, J.E. Takekawa, D.L. Jory, and D.L. Whitworth. 1992. Breeding populations of seabirds in California, 1989-1991. Unpubl. Report, U.S. Fish and Wildlife Service, Dixon, California.

Carter, H.R., D.S. Gilmer, J.E. Takekawa, R.W. Lowe, and U.W. Wilson. 1995a. Breeding seabirds in California, Oregon, and Washington. Pages 43-49 In Our Living Resources: A Report to the Nation on the Distribution, Abundance, and Health of U.S. Plants, Animals, and Ecosystems. USDI National Biological Service, Washington, D.C.

Carter, H.R., A.L. Sowls, M.S. Rodway, U.W. Wilson, R.W. Lowe, G.J. McChesney, F. Gress, and D.W. Anderson. 1995b. Population size, trends, and conservation problems of the double-crested cormorant on the Pacific coast of North America. Colonial Waterbirds 18 (Spec. Publ. 1): 189-207.

Chapdelaine, G. and J. Bédard. 1995. Recent changes in the abundance and distribution of the double-crested cormorant in the St. Lawrence River, estuary and gulf, Quebec, 1978-1990. Colonial Waterbirds 18 (Spec. Publ. 1): 70-77.

Chipman, R.B., D. Slate, L.E. Garland, and D.E. Capen. In Press. Double-crested cormorant and ring-billed gull damage management on Lake Champlain: are basin wide objectives achievable? 1997 Eastern Wildl. Damage Control Conference.

Chrisman, J.R. and T.H. Eckert. 1999. Population trends among smallmouth bass in the eastern basin of Lake Ontario, 1976-1997 *in* New York State Department of Environmental Conservation Special Report. Albany, NY.

Christens, E. and H. Blokpoel. 1991. Operational spraying of white mineral oil to prevent hatching of gull eggs. Wildl. Soc. Bull. 19: 423-430.

Cleary, E.C., S.E. Wright, and R.A. Dolbeer. 1997. Wildlife strikes to civil aircraft in the United States 1992-1996. U.S. Dept. of Trans., Federal Aviation Admin. Ser. Rep. No. 3. Washington, D.C. 30 pp.

Cleary, E.C., S.E. Wright, and R.A. Dolbeer. 1999. Wildlife Strikes to civil aircraft in the United States 1990-1998. U.S. Dept. of Trans., Federal Aviation Admin. Ser. Rep. No. 5. Washington, D.C. 29 pp.

Collis, K., S. Adamany, D.D. Roby, D.P. Craig, and D.E. Lyons. 2000. Avian predation on juvenile salmonids in the lower Columbia River. Annual Report for 1998 research to the Bonneville Power Administration, Portland, OR

(http://www.efw.bpa.gov/Environment/EW/EWP/DOCS/REPORTS/DOWNSTRM/D33475-2.pdf).

Connelly, N.A., and T.L. Brown. 1988. The impact of tourism on employment in New York's coastal areas. Cornell Univ. Dep. Nat. Resour. Res. Extension ser. No. 32: 58pp.

Connelly, N.A., T.L. Brown, and C.P. Dawson. 1990. New York statewide angler survey 1988. New York State Dept. Of Environ. Conserv., Div. Of Fish and Wildlife. Albany, New York.

Connelly, N.A., T.L. Brown, and B.A. Knuth. 1997. Report 1: Angler effort and expenditures in New York statewide angler survey 1996. NYSDEC publication.

Conniff, R. 1991. Why catfish farmers want to throttle the crow of the sea. Smithsonian 22(4): 44-50, 52, 54-55.

Conover, M.R. 2001. Effect of hunting and trapping on wildlife damage. Wildl. Soc. Bull. 29(2): 521-532.

Conover, M.R., W.C. Pitt, K.K. Kessler, T.J. DuBow, and W.A. Sanborn. 1995. Review of human injuries, illnesses, and economic losses caused by wildlife in the United States. Wildl. Soc. Bull. 23:407-414.

Cornell Cooperative Extension of Onondaga County. 2000. The Oneida Lake Book. Syracuse, New York.

Crane, J.L. 1996. Carcinogenic human health risks associated with consuming contaminated fish from five Great Lakes Areas of Concern. J. Great Lakes Res. 22(3): 653-68.

Craven, S.R. and E. Lev. 1987. Double-crested cormorants in the Apostle Islands, Wisconsin, USA: population trends, food habits, and fishery depredations. Colonial Waterbirds 10:64-71.

Custer, T.W. and C. Bunck. 1992. Feeding flights of breeding double-crested cormorants at two Wisconsin colonies. J. Field. Ornithol. 63: 203-11.

Custer, T.W., C.M. Custer, R.K. Hines, S. Gutreuter, K.L. Stromborg, P.D. Allen, and M.J. Melancon. 1999. Organochlorine contaminants and reproductive success of double-crested cormorants from Green Bay, Wisconsin, USA. Environ. Toxicol. Chem. 18 (6): 1209-1217.

Dale, T.B. and K.L. Stromborg. 1993. Reconnaissance surveys of contaminants potentially affecting Green Bay and Gravel Island National Wildlife Refuges. U.S. Fish and Wildlife Service, Green Bay Ecological Services Field Office.

Davies, J.M., B.R. Wilson, T. Holden, M.J. Feltham, J.R. Britton, J.P. Harvey, and I.G. Cowx. 2001. The relationship between cormorant and fish populations at a fishery system in England: an overview. Abstract in the Programme for the International Symposium and Workshop on Interaction between fish and birds: implications for management. University of Hull, England. April 3-6, 2001.

Dawson, C.P. F.R. Lichtkoppler, and C. Pistis. 1989. The charter boat fishing industry in the Great Lakes. Abstract from paper presented at the Northeast Fish and Wildlife Conference. Ellenville, NY.

De Vault, D.S., R. Hesselberg, P.W. Rodgers, and T.J. Feist. 1996. Contaminant trends in lake trout and walleve from the Laurentian Great Lakes. J. Great Lakes Res. 22(4): 884-95.

Decker, D.J. and G.R. Goff, editors. 1987. Valuing Wildlife: Economic and Social Perspectives. Westview Press: Boulder, CO. 424 pp.

Decker, D.J. and L.C. Chase. 1997. Human dimensions of living with wildlife--a management challenge for the 21st century. Wildlife Soc. Bull. 25(4): 788-95.

DeGraaf, R. M., N. G. Tilghman, and S. H. Anderson. 1985. Foraging guilds of North American birds. Environmental Management 9: 493-536.

Derby, C.E. and J.R. Lovvorn. 1997. Predation on fish by cormorants and pelicans in a cold-water river: a field and modeling study. Can. J. Fish. Aquat. Sci. 54: 1480-93.

DesGranges, J. and A. Reed. 1981. Disturbance and control of selected colonies of double-crested cormorants in Quebec. Colonial Waterbirds 4:12-19.

Diana, J.S. and S.L. Maruca. 1997. General introduction. Pages 1-2 *in* J.S. Diana, G.Y. Belyea, and R.D. Clark, Jr., eds. History, status, and trends in populations of yellow perch and double-crested cormorants in Les Cheneaux Islands, Michigan. Mich. Dep. Nat. Resour. Fish. Div. Spec. Rep. 16. Ann Arbor.

Diana, J.S., C.A. Jones, D.O. Lucchesi, and J.C. Schneider. 1987. Evaluation of the yellow perch fishery and its importance to the local economy of the Les Cheneaux Islands area. Final Report Grant LRP-8C-7, Coastal Zone Management Program, Mich. Dep. Nat. Resour. Ann Arbor.

Dolbeer, R.A. 1991. Migration patterns of double-crested cormorants east of the Rocky Mountains. J. of Field Ornith. 62: 83-93.

Dow, R.L. 1953. The herring gull-cormorant control program: state of Maine. State of Maine Department of Sea and Shore Fisheries, Augusta, Maine. General Bulletin No. 1. 6 pp.

Drent, R., G.F. van Tets, F. Tompa, and K. Vermeer. 1964. The breeding birds of Mandarte Island. Canadian Field-Naturalist 78: 208-263.

Duda, M.D., S.J. Bissell, and K.C. Young. 1998. Wildlife and the American mind: public opinion on and attitudes toward fish and wildlife management. Responsive Management: Harrisonburg, VA.

Dukes, C. 1987. Portrait of a predator: are cormorants hurting Texas fishing? Texas Fisherman 38 (June): 40-41.

Durham, L. 1955. Effects of predation by cormorants and gars on fish populations of ponds in Illinois. PhD. Dissertation, Univ. Ill. (Urbana-Champaign); 117p.

Ehrlich, P.R., D.S. Dobkin, and D. Wheye. 1988. The birders handbook: a field guide to the natural history of north american birds. New York, NY: Simon and Schuster Inc.785pp.

EIFAC (European Inland Fisheries Advisory Commission). 1988. Report of the EIFAC working party on prevention and control of bird predation in aquaculture and fisheries operations. EIFAC Technical Paper (51). 79pp.

Elliott, J.E., D.G. Noble, R.J. Norstrom, and P.E. Whitehead. 1989. Organochlorine contaminants in seabird eggs from the Pacific coast of Canada 1971-1986. Environ. Monit. Assess. 12:67-82.

Engström, H. 1997. Do cormorants deplete fish numbers close to their breeding colonies? Suppl. Ric. Biol. Selvaggina XXVI: 343-345.

Engström, H. 1998. Conflicts between cormorants (*Phalacrocorax carbo* L.) and fishery in Sweden. Nordic J. Freshw. Res. 74: 148-155.

Engström, H. 2000. Long term effects of cormorant predation on fish communities and fishery in a freshwater lake. In press in Ecography.

Environment Canada. 1995. Great Lakes Fact Sheet. Minister of the Environment Public Works and Government Services Canada. Catalogue No. En 40-222/2-1995E.

EPA (Environmental Protection Agency). 1992. The quality of our nation's water. Report to Congress. (http://www.epa.gov/305b/sum1.html).

EPA (Environmental Protection Agency). 1995. The Great Lakes: An Environmental Atlas and Resource Book, Third Edition. Government of Canada: Toronto, Ontario and the U.S. EPA Great Lakes National Program Office: Chicago, Illinois. URL http://www.epa.gov/glnpo/atlas/

EPA (Environmental Protection Agency). 1999. Update: Listing of Fish and Wildlife Advisories. EPA Fact Sheet. EPA-823-F-99-005.

Erickson, K.E. 1990. Summary of survey responses: cormorant predation on state sportfish populations. Unpublished Report prepared by Oklahoma Dept. Wildl. Conserv. for Am. Fish. Soc. 5 pp.

Ewins, P.J. and D.V.C. Weseloh. 1994. Effects on productivity of shooting double-crested cormorants (*Phalacrocorax auritus*) on Pigeon Island, Lake Ontario, in 1993. J. Great Lakes Res. 20(4): 761-767.

Farquhar, J.F., R.D. McCullough, and A.S. Schiavone. 2001. Managing a balance between double-crested cormorant numbers and warmwater fish abundance in the eastern basin of Lake Ontario, New York: preliminary insights from a management program. Abstract *In* the Programme for the International Symposium and Workshop on Interaction between Fish and Birds: Implications for Management. University of Hull, England. April 3-6, 2001.

Fenech, A.S., S. Lochmann, D. Wooten, M. Hoy, and A. Radomski. 2001. Possible effects of double-crested cormorants and largemouth bass predation on crappie in an Arkansas oxbow lake. Abstract *In* the Programme for the International Symposium and Workshop on Interaction between Fish and Birds: Implications for Management. University of Hull, England. April 3-6, 2001.

Ferris, R.W. 1940. Eight years of banding Western Gulls. Condor 42: 189-97.

Forney J.L. 1980. Evolution of a management strategy for walleye in Oneida Lake, New York. New York Fish and Game Journal 27:105-141.

Fowle, M.R., D.E. Capen, and N.J. Buckley. 1999. Population growth of double-crested cormorants in Lake Champlain. Northeast Wildlife 54: 25-34.

- Fox, G.A. D.V. Weseloh, T.J. Kubiak, and T.C. Eerdman. 1991. Reproductive outcomes in colonial fisheating birds: a biomarker for developmental toxicants in Great Lakes food chains (I. Historical and ecotoxicological perspectives). J. Great Lakes Res. 17(2): 153-7.
- Fox, G.A. and D.V. Weseloh. 1987. Colonial waterbirds as bio-indicators of environmental contamination in the Great Lakes. Pages 209-216 *In* The value of birds, A.W. Diamond and F.L. Filion, eds. International Council for Bird Conservation Technical Publication No. 6, Cambridge, U.K.
- Gabrielson, I.N. and S.G. Jewett. 1940. Birds of Oregon. Oregon State Monograph Studies in Zoology No. 2. Corvallis, Oregon.
- Gilbertson, M., T. Kubiak, J. Ludwig, and G. Fox. 1991. Great Lakes embryo mortality, edema and deformities syndrome (GLEM-EDS) in colonial fish-eating birds: similarity to chick-edema disease. J. Toxicol. Environ. Health 33: 455-520.
- Glahn, J.F. 2000. Comparison of pyrotechnics verus shooting for dispersing double-crested cormorants from their night roosts. Proceedings Vertebrate Pest Conference (T.P. Salmon and A.C. Crabb, eds.)19:44-48.
- Glahn, J.F. and K.E. Brugger. 1995. The impact of double-crested cormorants on the Mississippi delta catfish industry: a bioenergetic model. Colonial Waterbirds 18 (Spec. Publ. 1):137-142.
- Glahn, J.F., and A.R. Stickley, Jr. 1995. Wintering double-crested cormorants in the Delta region of Mississippi: Population levels and their impact on the catfish industry. Colonial Waterbirds 18 (Spec. Pub. 1):137-142.
- Glahn, J.F., J.D. Pondexter, G.A. Littauer, and R.B. McCoy. 1995. Food habits of double-crested cormorants wintering in the Delta region of Mississippi. Colonial Waterbirds 18 (Spec. Pub. 1):158-167.
- Glahn, J.F., A. May, K. Bruce, and D. Reinhold. 1996. Censusing double-crested cormorants (Phalacrocorax auritus) at their winter roosts in the delta region of Mississippi. Colonial Waterbirds 19: 73-81.
- Glahn, J.F., J.B. Harrel, and C. Vyles. 1998. The diet of wintering double-crested cormorants feeding at lakes in the southeastern United States. Colonial Waterbirds 21(3): 445-52.
- Glahn, J.F., E.S. Rasmussen, T. Tomsa, and K.J. Preusser. 1999a. Distribution and relative impact of avian predators at aquaculture facilities in the northeastern United States. North American Journal of Aquaculture 61:340-348.
- Glahn, J.F., M.E. Tobin, and J.B. Harrel. 1999b. Possible effects of catfish exploitation on overwinter body condition of double-crested cormorants. Pg 107-113 *In* Symposium on Double-crested Cormorants: Population Status and Management Issues in the Midwest (M.E. Tobin, ed.). USDA Tech. Bull. No. 1879. 164pp.
- Glahn, J.F., D.S. Reinhold, and C.A. Sloan. 2000a. Recent population trends of double-crested cormorants wintering in the Delta Region of Mississippi: responses to roost dispersal and removal under a recent depredation order. Waterbirds 23:38-44.

Glahn, J.F., M.E. Tobin, and B.F. Blackwell. 2000b. A science-based initiative to manage double-crested cormorant damage to southern aquaculture. USDA/APHIS Wildlife Services National Wildlife Research Center.

Glahn, J.F., S.J. Werner, T. Hanson, and C.R. Engle. In Review. Cormorant depredation losses and their prevention at catfish farms: Economic considerations. *In* (L. Clark, Tech. Coord.) Human conflicts with wildlife: economic considerations conference. 1 August 2000. Fort Collins, CO.

Glanville, E.V. 1992. Co-operative fishing by double-crested cormorants, *Phalacrocorax auritus*. Can. Field-Nat. 106: 522-3.

Glaser, L.C., I.K. Barker, D.V.C. Weseloh, J. Ludwig, R.M. Windingstad, D.W. Key, and T.K. Bollinger. 1999. The 1992 epizootic of Newcastle disease in double-crested cormorants in North America. J. of Wildlife Diseases 35(2): 319-330.

Godin, A.J. 1994. Birds at airports. Pages E1-E4 *In* S.E. Hyngstrom, R. M. Timm, and G.E. Larson, eds. Prevention and control of wildlife damage. Univ. Of Nebraska. Lincoln, NE.

Gorenzel, W.P., F.S. Conte, and T.P. Salmon. 1994. Bird damage at aquaculture facilities. Pages E5-E18 *In* S.E. Hyngstrom, R. M. Timm, and G.E. Larson, eds. Prevention and control of wildlife damage. Univ. Of Nebraska. Lincoln, NE.

Greichus, Y.A., and M.R. Hannon. 1973. Distribution and biochemical effects of DDT, DDD and DDE in penned double-crested cormorants. Toxicol. Appl. Pharmacol. 26: 483-94.

Gross, A.O. 1951. The Herring Gull-cormorant control project. Proceedings of the International Ornithological Congress. 10: 532-6.

Haas, R.C., and J.S. Schaeffer. 1992. Predator-prey and competitive inter-actions among walleye, yellow perch, and forage species in Saginaw Bay, Lake Huron. Mich. Dep. Nat. Resour. Fish. Res. Rep. 1984. Ann Arbor.

Hanebrink, E. and W. Byrd. 1989. Predatory birds in relation to aquaculture farming. Aquaculture Magazine, 15(2): 47-51.

Hatch, J.J. and D.V. Weseloh. 1999. Double-crested Cormorant (*Phalacrocorax auritus*). *In* The Birds of North America, No. 441 (A. Poole and F. Gill, eds.). The Birds of North America, Inc., Philadelphia, PA.

Hatch, J.J. 1995. Changing populations of double-crested Cormorants. Colonial Waterbirds 18 (Spec. Publ. 1): 8-24.

Hatch, J.J. 1984. Rapid increase of double-crested cormorants nesting in southern New England. American Birds 38: 984-88.

Haws, K. 1987. Colony expansion and food habits of double-crested cormorants. Unpubl. Admin. Rep., Minnesota Dept. Natl. Resources. 6 pp.

Haynes, R.J. and K.M. Goh. 1978. Ammonium and nitrate nutrition of plants. Biological Reviews. 53: 465-510.

Heinrich, T. 1999. Large Lake Sampling Program Assessment Report for Lake of the Woods. Minnesota DNR Report.

Henny, C.J., L.J. Blus, S.P. Thompson, and U.W. Wilson. 1989. Environmental contaminants, human disturbance and nesting of double-crested cormorants in northwestern Washington. Colonial Waterbirds 12: 198-206.

Henschel, D.S., J.W. Martin, R.J. Norstrom, J. Elliott, K.M. Cheng, and J.C. DeWitt. 1997. Morphometric brain abnormalities in double-crested cormorant chicks exposed to polychlorinated dibenzo-p-dioxins, debenzofurans, and biphenyls. J. Great Lakes Res. 23:11026.

Hess, K.D. 1994. Effectiveness of shooting double-crested cormorants on catfish ponds and harassment of roosts to protect farm-raised catfish. M.S. thesis, Mississippi State Univ., Mississippi State, MS.

Hirsch, K. 1986. Colony expansion and food habits of double-crested cormorants in Minnesota. Pacific Seabird Group Bull. 13: 32-33.

Hobson, K.A., R.W. Knapton, and W. Lysack. 1989. Population, diet and reproductive success of double-crested cormorants breeding on Lake Winnipegosis, Manitoba, in 1987. Colonial Waterbirds 12:191-197.

Hodges, M. F. 1989. Foraging by piscivorus birds on commercial fish farms in Mississippi. M.S. thesis, Mississippi State Univ., Mississippi State, Mississippi.

Hoy, M.D. 1994. Depredations by herons and egrets at bait fish farms in Arkansas. Aquaculture Magizine 20(1):52-56.

Hoy, M.D., J.W. Jones, and A.E. Bivings. 1989. Economic imoact and control of wading birds and control of wading birds at Arkansas minnow ponds. Eastern Wildl. Damage Control Conf. 4:109-112.

Hoyle, J.A., J.M. Casselman, and T. Schaner. 1998. Smallmouth bass (*Micropterus dolomieui*) population status in eastern Lake Ontario.

Huner, J.V. and C. Jeske. In Review. Observations on the occurrence and food habits of double-crested cormorants and neotropic cormorants in south Louisiana crawfish ponds – a short report. Louisiana Ornithological Society Bulletin.

Huner, J.V. 1997. The crayfish industry in North America. Fisheries 22(6): 28-31.

Inglis, I.R. 1980. Visual bird scarers: an ethological approach. Pages 121-143 *In* E.N. Wright, I.R. Inglis, and C.J. Feare, eds. Bird Problems in Agriculture: the Proceedings of a Conference "Understanding Agricultural Bird Problems." BCPC Publications, Croydon.

ISG (Independent Scientific Group). 1999. Return to the river: scientific issues in the restoration of salmonid fishes in the Columbia River. Fisheries 24(3): 10-19.

Jackson, J. A. and B. J. S. Jackson. 1995. The Double-crested Cormorant in the south-central United States: habitat and population changes of a feathered pariah. Colonial Waterbirds 18 (Spec. Publ. 1): 118-130.

Jarvie, S., H. Blokpoel, and T. Chipperfield. 1999. A geographic information system to monitor nest distributions of double-crested cormorants and black-crowned night-herons at shared colony sites near Toronto, Canada. Pages 121-129 *In* Symposium on Double-crested Cormorants: Population Status and Management Issues in the Midwest (M.E. Tobin, ed.). USDA Tech. Bull. No. 1879. 164pp.

Johnsgard, P.A. 1993. Cormorants, Darters, and Pelicans of the World. Smithsonian Inst. Press: Washington, D.C. 445 pp.

Johnson, B.L., H.E. Hicks, D.E. Jones, W. Cibulas, A. Wargo, and C.T. De Rosa. 1998. Public health implications of persistent toxic substances in the Great Lakes and St. Lawrence Basins. J. Great Lakes Res. 24(2): 698-722.

Johnson, F., and K. Williams. 1999. Protocol and practice in the adaptive management of waterfowl harvests. Conservation Ecology 3(1):8. URL <a href="http://www.consecol.org/Journal/vol3/iss1/art8/index.html">http://www.consecol.org/Journal/vol3/iss1/art8/index.html</a>.

Johnson, F. A., B. K. Williams, J. D. Nichols, J. D. Hines, W. L. Kendall et al. 1993. Developing an adaptive management strategy for harvesting waterfowl in North America. Trans. N. Am. Wildl. Nat. Resour. Conf. 58:565-583.

Johnson, J.H., R.M. Ross, and C.M. Adams. 1999. Diet Composition and fish consumption of double-crested cormorants in eastern Lake Ontario, 1998 *In* New York State Department of Environmental Conservation Special Report. Albany, NY.

Johnson, J.H., R.M. Ross, and J. Farquhar. 2000a. The effects of egg oiling on fish consumption by double-crested cormorants on Little Galloo Island, Lake Ontario *In* New York State Department of Environmental Conservation Special Report. Albany, NY.

Johnson, J.H., R.M. Ross, and R.D. McCullough. 2000b. Diet composition and fish consumption of double-crested cormorants from the Pigeon and Snake Island Colonies of Eastern Lake Ontario in 1999 *In* New York State Department of Environmental Conservation Special Report. Albany, NY.

Karwowski, K., J.T. Hickey, and D.A. Stillwell. 1992. Food study of the double-crested cormorant, Little Galloo Island, Lake Ontario, New York. U.S. Fish and Wildlife Service. Cortland, NY.

Kaufman, K. 1996. Lives of North American birds. New York: Houghton Mifflin Co.

Keller, T. 1995. Food of cormorants *Phalacrocorax carbo sinensis* wintering in Bavaria, southern Germany. Ardea 83: 185-192.

Keller, T.M., A. von Lindeiner, and U. Lanz. 1998. Cormorant management in Bavaria, southern Germany–shooting as a proper management tool? Cormorant Research Group Bulletin 3: 11-15.

Keller, T.M. 1999. Is large-scale shooting a proper cormorant management tool? Poster, 23<sup>rd</sup> Annual Meeting of the Waterbird Society in Grado, Italy, November 8-12, 1999.

King, D.T., J.F. Glahn, K.J. Andrews. 1995. Daily activity budgets and movements of winter roosting double-crested cormorants determined by biotelemetry in the delta region of Mississippi. Colonial Waterbirds 18 (Spec. Publ. 1):152-157.

Kirsch, E.M. 1995. Double-crested cormorants along the upper Mississippi River. Colonial Waterbirds 18 (Spec. Publ. 1): 131-136.

Klett, B. R., D. F. Parkhurst, and F. R. Gaines. 1998. The Kensico Watershed Study: 1993 - 1995. URL http://www.epa.gov/owowwtrl/watershed/Proceed/klett.html

Korfanty, C., W.G. Miyasaki, and J.L. Harcus. 1999. Review of the population status and management of double-crested cormorants in Ontario. Pages 131-146 *In* Symposium on Double-crested Cormorants: Population Status and Management Issues in the Midwest (M.E. Tobin, ed.). USDA Tech. Bull. No. 1879. 164pp.

Krebs, C.J. 1995. Two paradigms of population regulation. Wildlife Research 22: 1-10.

Krohn, W.B. and B.F. Blackwell. 1996. The double-crested cormorant in Maine. Maine Fish and Wildlife. Summer 1996: 8-12.

Krohn, W.B., R.B. Allen, J.R. Moring and A.E. Hutchinson. 1995. Double-crested cormorants in New England: population and management histories. Colonial Waterbirds 18(Spec. Publ. 1): 99-109.

Kuiken, T. 1999. Review of Newcastle disease in cormorants. Waterbirds 22(3): 333-347.

Kuiken, T., F.A. Leighton, G. Wobeser, K.L. Danesik, J. Riva, and R.A. Heckert. 1998. An epidemic of Newcastle disease in double-crested cormorants from Saskatchewan. Journal of Wildlife Diseases 34 (3): 457-471.

Lagler, K.F. 1939. The control of fish predators at hatcheries and rearing stations. J. Wildl. Manage. 3:169-197.

Lantry, B.F., T.H. Eckert, and C.O. Schneider. 1999. The relationship between the abundance of smallmouth bass and double-crested cormorants in the eastern basin of Lake Ontario *in* New York State Department of Environmental Conservation Special Report. Albany, NY.

Leger, C. and R. Mc Neil. 1987. Brood size and chick position as factors influencing feeding frequency, growth, and survival of nestling double-crested cormorants, *Phalacrocorax auritus*. Canadian Field-Naturalist 101: 351-361.

Lemmon, C.R., G. Bugbee, and G.R. Stephens. 1994. Tree damage by nesting double-crested cormorants in Connecticut. The Connecticut Warbler 14 (1): 27-30.

Lewis, H.F. 1929. The Natural History of the Double-crested cormorant (*Phalacrocorax auritus auritus* L.). Ru-Mi-Lou Books, Ottawa, Ontario.

Littuaer, G. 1990. Avian predators: frightening techniques for reducing bird damage at aquaculture facilities. Southern Regional Aquaculture Cent. Publication No. 401. 4pp.

Littuaer, G.A., J.F. Glahn, D.S. Reinhold, and M.W. Brunson. 1997. Control of bird predation at aquaculture facilities: Strategies and cost estimates. Southern Regional Aquaculture Cent. Pub. No. 402 (revised), Miss. Coop. Ext. Serv., Mississippi State. 4pp.

Lucchesi, D.O. 1988. A biological analysis of the yellow perch population in the Les Cheneaux Islands, Lake Huron. Mich. Dep. Nat. Resour. Fish. Res. Rep. 1958. Ann Arbor.

Ludwig, J.P., H. Kurita-Matsuba, H.J. Auman, M.E. Ludwig, and C.L. Summer. 1996. Deformities, PCBs, and TCDD-equivalents in double-crested cormorants (*Phalacrocorax auritus*) and caspian terns (*Hydroprogne caspia*) of the upper Great Lakes 1986-1991: testing a cause-effect hypothesis. J. Great Lakes Res. 22: 172-97.

Ludwig, J.P. 1984. Decline, resurgence and population dynamics of Michigan and Great Lakes double-crested cormorants. Jack-Pine Warbler 62: 91-102.

Ludwig, J.P. and C.L. Summer. 1995. Final report of the SERE Group Ltd. study to: model the population of double-crested cormorants in the Les Cheneaux region of Lake Huron, and to collect data relevant to fish species utilization by cormorants and other waterbirds from the northern Great Lakes. The SERE Group, Ltd., Eureka, MI.

Ludwig, J.P., C.N. Hull, M.E. Ludwig, and H.J. Auman. 1989. Food habits and feeding ecology of nesting double-crested cormorants in the upper Great Lakes, 1986-1989. Jack-Pine Warbler 67:117-129.

Madenjian, C.P. and S.W. Gabrey. 1995. Waterbird predation on fish in western Lake Erie: a bioenergetics model application. Condor 97: 141-153.

Marquiss, M. and D.N. Carss. 1997. Fish-eating birds and fisheries. British Trust for Ornithology News. May-June/July-August. No. 210-211: 6-7.

Mason, J.R., and L. Clark. 1997. Avian repellants: options, modes of action, and economic considerations. Pages 371-391 *In* Mason, J.R. Repellents in Wildlife Management (August 8-10, 1995, Denver, CO). Colorado State University, Fort Collins, CO.

Mastrangelo, P., C. Sloan, and K. Bruce. 1997. Incorporating depredation permits into integrated damage management plans for aquaculture facilities. Proc. East. Wildlife Damage Mgmt. Conf. 7:36-43. 1997.

Mathewson, W. 1986. William L. Finley: pioneer wildlife photographer. Oregon State University, Corvallis, Oregon.

Matteson, S.W. 1983. Wisconsin endangered resources report 3: a preliminary review of fishery complaints associated with changes in double-crested cormorant populations in Maine, Wisconsin, and the Great Lakes Region. Bureau of Endangered Resources, Wisconsin Dept. of Nat. Res. 18pp.

Matteson, S.W., P.W. Rasmussen, K.L. Stromborg, T.I. Meier, J. Van Stappen, and E.C. Nelson. 1999. Changes in the status, distribution, and management of double-crested cormorants in Wisconsin. Pages 27-45 *In* Symposium on Double-crested Cormorants: Population Status and Management Issues in the Midwest (M.E. Tobin, ed.). USDA Tech. Bull. No. 1879. 164pp.

Mayer, C.M., A. VanDeValk, J.L. Forney, L.G. Rudstam, and E.L. Mills. 2000. Response of yellow perch (Perca flavescens) in Oneida Lake, New York to establishment of zebra mussels (Dreissena polymorpha). Can. J. Fish. Aquat. Sci. 57: 742-754.

McCullough, R.D. and D.W. Einhouse. 1998. Lake Ontario – Eastern Basin Creel Survey, 1998 *In* New York State Department of Environmental Conservation Special Report. Albany, NY.

McLeod, J.A. and G.F. Bondar. 1953. A brief study of the double-crested cormorant on Lake Winnipegosis. Canadian Field-Naturalist 67: 1-11.

McNeil, R. and C. Leger. 1987. Nest-site quality and reproductive success of early and late-nesting double-crested cormorants. Wilson Bull. 99: 262-7.

Mendall, H.L. 1936. The home-life and economic status of the double-crested cormorant, Phalacrocorax auritus auritus (Lesson). Univ. Maine Stud., Second Ser., no. 38. Maine Bull. 39.3. Univ. Press, Orono.

Menz, F.C. 1981. An economic evaluation of the St. Lawrence River-eastern Lake Ontario bass fishery: final report. Clarkson College of Technology Dept. of Economics.

Mills, E.L., L.G. Rudstam, C. Adams, A. VanDeValk, J. Forney, M. Richmond, R. Schneider, and J. Henke. 1998. The Oneida Lake Profile. Cornell University Biological Field Station, Bridgeport, New York.

Milton, G.R. and P.J. Austin-Smith. 1983. Changes in the abundance and distribution of double-crested (*Phalacrocorax auritus*) and great cormorants (*P. carbo*) in Nova Scotia. Colonial Waterbirds 6: 130-8.

Milton, G.R., P.J. Austin-Smith and G.J. Farmer. 1995. Shouting at shags: a case study of cormorant management in Nova Scotia. Colonial Waterbirds 18 (Spec. Publ.): 91-8.

Mitchell, R.M. 1977. Breeding biology of the double-crested cormorant in Utah Lake. Great Basin Nat. 37: 1-23.

Mixson, M.A. and J.E. Pearson. 1992. Velogenic neurotropic Newcastle disease in cormorants and commercial turkeys. NY 1992. Proceedings of the 96<sup>th</sup> annual meeting of the United States Animal Health Association 1992: 357-360.

Moerbeek, D.J., W.H. van Dobben, E.R. Osieck, G.C. Boere, and C.M. Bungenberg de Jong. 1987. Cormorant damage prevention at a fish farm in the Netherlands. Biological Conservation 39:23-28.

Moore, D. 2001. Experiences of managing the impact of cormorants on large recreational trout fisheries. Abstract in the Programme for the International Symposium and Workshop on Interaction between fish and birds: implications for management. University of Hull, England. April 3-6, 2001.

Moore, D.J., H. Blokpoel, K.P. Lampman, and D.V. Weseloh. 1995. Status, ecology and management of colonial waterbirds nesting in Hamilton Harbour, Lake Ontario, 1988-1994. CWS, Ontario Region, Technical Report No. 213, 38 pp.

Moravec, F. and T. Scholz. 1994. Observations on the development of Syncuaria squamata, a parasite of cormorants, in the intermediate and paratenic hosts. Folia Parasitol. 41(3): 183-192.

Moravec, F., G. Salgado-Maldonado, and D. Osorio-Sarabia. 2000. Records of the bird capillariid nematode Omithocapillaria appendiculata from freshwater fishes in Mexico, with remarks on Capillaria patzcuarensis. Syst. Parasitol. 45 (1): 53-39.

Mott D.F. and F.L. Boyd. 1995. A review of techniques for preventing cormorant depredations at aquaculture facilities in the southeastern United States. Colonial Waterbirds 18 (Spec. Pub. 1):176-180.

Mott, D.F. and M.W. Brunson. 1997. A historical perspective of catfish production in the southeast in relation to avian predation. Proceedings of the Eastern Wildlife Damage Management Conference 7:23-30.

Mott, D.F., R.D. Flynt, and J.O. King. 1995. An evaluation of floating ropes for reducing cormorant damage at catfish ponds. Proc. East. Wildl. Damage Control Conf. 6:93-97.

Mott, D.F., J.F Glahn, P.L. Smith, D.S. Reinhold, K.J. Bruce, and C.A. Sloan. 1998. An evaluation of dispersing double-crested cormorants from winter roosts for reducing predation on catfish in Mississippi. Wildl. Soc. Bull. 26:584-591.

Neuman, J., D.L. Pearl, R. Black, P.J. Ewins, D.V. Weseloh, et al. 1997. Spatial and temporal variation in the diet of the double-crested cormorant (*Phalacrocorax auritus*) breeding on the lower Great Lakes in the early 1990's. Can. J. Fish Aquat. Sci. 54:1569-1584.

Nichols, James D., Fred A. Johnson, and Byron K. Williams. 1995. Managing North American waterfowl in the face of uncertainty. Annual Review Ecology Systematics 26:177-199.

NMFS (National Marine Fisheries Service). 2000. Predation on salmonids relative to the Federal Columbia River Power System. Northwest Fisheries Science Center, National Marine Fisheries Service National Oceanic and Atmospheric Administration, Seattle, WA. White Paper.

NYSDEC (New York State Department of Environmental Conservation). 2000. Final environmental impact statement on proposed management of double-crested cormorants in U.S. waters of the eastern basin of Lake Ontario, New York. NYSDEC: Watertown, NY.

Omand, D.N. 1947. The cormorant in Ontario. Sylva. 3: 19-23.

Palmer, R.S. *Editor*. 1962. Handbook of North American birds, Vol. 1. Yale Univ. Press: New Haven, CT. 567 pp.

Parkhurst, J. A., R. P. Brooks, and D. E. Arnold. 1987. A survey of wildlife depredation and control techniques at fish-rearing facilities. Wildl. Soc. Bull. 15: 386-394.

Peck, G.K. and R.D. James. 1983. Breeding birds of Ontario, nidiology and distribution. Vol. 1: Non passerines. R. Ont. Mus., Toronto.

Pilon, C., J. Burton, and R. McNeil. 1983. Reproduction du Grand Cormoran (*P. carbo*) et du Cormoran à aigrettes (*P. auritus*) aux îles de la Madeleine, Québec. Can. J. of Zool. 61: 524-530.

Postupalsky, S. 1978. Toxic chemicals and cormorant populations in the Great Lakes. Canadian Wildlife Service, Wildlife Toxicology Division Manuscript Report No. 40: 1-25.

Powell, D.C., R.J. Aulerich, J.C. Meadows, D.E. Tillett, and K.L. Stromborg. 1997. Organochlorine contaminants in double-crested cormorants from Green Bay, Wisconsin. II. Effects of an extract derived from cormorant eggs on the chicken embryo. Arch. Environ. Contam. Toxicol. 32: 316-22.

Price, I.M. and D.V. Weseloh. 1986. Increased numbers and productivity of double-crested cormorants, Phalacrocorax auritus, on Lake Ontario. Canadian Field-Naturalist 100: 474-82.

Price, I.M., and J.G. Nickum. 1995. Aquaculture and birds: the context for controversy. Colon. Waterbirds 18 (Spec. Pub. 1):33-45.

Prout, M.W., E.L. Mills, and J.L. Forney. 1990. Diet, growth, and potential competitive interactions between age-0 white perch and yellow perch in Oneida Lake, New York. Transactions of the American Fisheries Society 119:966-975.

Rattner, B.A., N.H. Golden, J.L. Pearson, J.B. Cohen, and L.J. Garrett. 1999. Biological and ecotoxicological characteristics of terrestrial vertebrate species residing in estuaries: double-crested cormorant. URL http://www.pwrc.usgs.gov/resshow/rattner/bioeco/dbcrcorm.htm.

Reinhold, D.S. and C.A. Sloan. 1999. Strategies to reduce double-crested cormorant depredation at aquaculture facilities in Mississippi. Pages 99-106 *In* Symposium on Double-crested Cormorants: Population Status and Management Issues in the Midwest. (M.E. Tobin, ed.). USDA Tech. Bull. No. 1879. 164pp.

Roby, D.D., D.P. Craig, K. Collis, and S.L. Adamany. 1998. Avian predation on juvenile salmonids in the lower Columbia River. 1997 annual report to the Bonneville Power Administration and U.S. Army Corps of Engineers. URL

http://www.efw.bpa.gov/Environment/EW/EWP/DOCS/REPORTS/DOWNSTRM/D33475-1.pdf.

Rodgers, J.A. 1988. Fish-eating bird predation at Richloam Hatchery. Final Perform. Rep., Study 7523. Gainesville, FL: Florida Game and Freshwater Fish Commission, Wildlife Research Laboratory. 13 pp.

Rodgers, J.A. 1994. The management of double-crested cormorants at aquaculture facilities in Florida. Final Perform. Rep., Study 7527. Gainesville, FL: Florida Game and Freshwater Fish Commission, Wildlife Research Laboratory. 18 pp.

Roney, K. 1986. 1985 census of pelicans and cormorant colonies in Saskatchewan. Blue Jay 44: 177-9.

Ross, M.R. 1997. Fisheries Conservation and Management. Upper Saddle River, NJ: Prentice Hall.

Ross, R.M. and J.H. Johnson. 1994. Feeding ecology of double-crested cormorants in eastern Lake Ontario. Joint Annual Meeting, the Wildlife Society and American Fisheries Society (New York Chapters), Oswego, New York.

Ross, R.M. and J.H. Johnson. 1995. Seasonal and annual changes in the diet of Double-crested Cormorants: implications for Lake Ontario's Fishery. Great Lakes Research Review 2(1):1-9.

Ross, R.M. and J.H. Johnson. 1997. Fish losses to double-crested cormorants in eastern Lake Ontario: 1993-97. Presented at the Midwest AFS Meeting, December 1997, Milwaukee, WI. Proceedings in press.

Ross, R.M. and J.H. Johnson. 1999. Fish losses to double-crested cormorant predation in eastern Lake Ontario, 1992-97. Pages 61-70 *In* Symposium on Double-crested Cormorants: Population Status and Management Issues in the Midwest (M.E. Tobin, ed.). USDA Tech. Bull. No. 1879. 164pp.

- Russell, I. A. Cook, D. Kinsman, M. Ives, N. Lower, and S. Ives. In Press. Stomach contents analysis of cormorants at some different fishery types in England and Wales. Vogelwelt. XX:xxx-xxx.
- Ryckman, D., D.V. Weseloh, P. Hamr, G.A. Fox, and B. Collins. 1998. Spatial and temporal trends in organochlorine contamination and bill deformities in double-crested cormorants (*Phalacrocorax auritus*) from the Canadian Great Lakes. Environ. Monit. Assess. 53: 169-95.
- Sanderson, J.T., R.J. Norstrom, J. Elliot, L.E. Hart, K.M. Cheng, and G.D. Bellward. 1994. Biological effects of polychlorinated dibenzo-p-dioxins, debenzofurans, and biphenyls in double-crested cormorant chicks (*Phalacrocorax auritus*). J. Toxicol. Env. Health 41: 247-65.
- Sauer, J.R., K. Pardieck, J.E. Hines, and J. Fallon. 2001. The North American Breeding Bird Survey, Results and Analysis 1966-2000. Version 2001.1, USGS Patuxent Wildlife Research Center, Laurel, MD.
- Scanlon, P. F., L. A. Helfrich, and R. E. Stultz. 1979. Extent and severity of avian predation at Federal fish hatcheries in the United States. Proc. Ann. Conf. Southeast. Assoc. Fish Wildl. Agencies 32: 470-473.
- Scharf, W.C. and G.W. Shugart. 1981. Recent increases in double-crested cormorants in the United States Great Lakes. American Birds 35: 910-11.
- Scharf, W.C. and G.W. Shugart. 1998. Distribution and abundance of gull, tern, and cormorant nesting colonies of the U.S. Great Lakes, 1989 and 1990. Publ. 1. Sault Ste Marie, MI: Gale Bleason Envl. Inst., Lake Superior State Univ. Press.
- Scharf, W.C., G.W. Shugart, and J.L. Trapp. 1992. Distribution and abundance of gull, tern and cormorant colonies of the U.S. Great Lakes, 1989 and 1990. U.S. Fish and Wildlife Service, Office of Migratory Bird Management, Washington, D.C. 89 pp.
- Schneeberger, P.J. and S. J. Scott. 1997. Population dynamics and fishery statistics for yellow perch in Les Cheneaux Islands area. Pages 26-41 *In* J.S. Diana, G.Y. Belyea, and R.D. Clark, Jr., eds. History, status, and trends in populations of yellow perch and double-crested cormorants in Les Cheneaux Islands, Michigan. Mich. Dep. Nat. Resour. Fish. Div. Spec. Rep. 16. Ann Arbor.
- Schneider, C.P., A. Schiavone Jr., T.H. Eckert, R.D. McCullough, B.F. Lantry, D.W. Einhouse, J.R. Chrisman, C.M. Adams, J.H. Johnson, and R.M. Ross. 1999. Double-crested cormorant predation on smallmouth bass and other fishes of the eastern basin of Lake Ontario: overview, summary and recommendations *In* New York State Department of Environmental Conservation Special Report. Albany, NY.
- Schramm, H. L., Jr., B. French, and M. Ednoff. 1984. Depredation of channel catfish by Florida double-crested cormorants. Progr. Fish-Cult. 46: 41-43.
- Schramm, H. L., Jr., M. W. Collopy, and E. A. Okrah. 1987. Potential problems of bird predation for fish culture in Florida. Progr. Fish-Cult. 49: 44-49.
- Schriever, W. and J. Henke. 2000. Biological and socioeconomic effects of the proliferation of double-crested cormorants on Oneida Lake, New York. Oneida Lake Association.

Schusler, T.M. and D.J. Decker. March 2000. Lake Ontario Islands Wildlife Management Area Preliminary Situation Analysis. HDRU Series No. 00-2. Human Dimensions Research Unit, Cornell University, Ithaca, NY.

Sheppard, Y. 1994/5. Cormorants and pelicans. Birds of the Wild 3(4): 30-35.

Shieldcastle, M.C. and L. Martin. 1999. Colonial waterbird nesting on West Sister Island National Wildlife Refuge and the arrival of double-crested cormorants. Pages 115-119 *In* Symposium on Double-crested Cormorants: Population Status and Management Issues in the Midwest (M.E. Tobin, ed.). USDA Tech. Bull. No. 1879. 164pp.

Siegel-Causey, D. 1999. The problems of being successful: managing interactions between humans and double-crested cormorants. Pages 5-14 *In* Symposium on Double-crested Cormorants: Population Status and Management Issues in the Midwest (M.E. Tobin, ed.). USDA Tech. Bull. No. 1879. 164pp.

Simmonds, R. L., Jr., A. V. Zale, and D. M. Leslie Jr. 1995a. Depredation of catfish by double-crested cormorants at aquaculture facilities in Oklahoma. Proc. Great Plains Wildl. Damage Control Workshop 12: 34-37.

Simmonds, R.L., Jr., A.V. Zale, and D.M. Leslie, Jr. 1995b. Effect of piscivorous birds, particularly cormorants, on reservoir and aquacultural fishes in Oklahoma. Final Rep. U.S. Fish and Wildl. Serv., Region 2, Fish. Resour., Albuquerque, New Mexico.

Simmonds, R.L., A.V. Zale, and D.M. Leslie, Jr. 2000. Modeled effects of double-crested cormorant predation on simulated reservoir sport and forage fish populations in Oklahoma. North American J. of Fisheries Management. 20: 180-191.

Simmons, G. M., S. A. Herbein, and C. M. James. 1995. Managing nonpoint fecal coliform sources to tidal inlets. Water Resources Update. 100:64-74.

Somers, J.D., B.C. Goski, J.M. Barbeau, and M.W. Barrett. 1993. Accumulation of organochlorine contaminants in double-crested cormorants. Environ. Pollut. 80: 17-23.

Spencer, M. 1996. Survey of the impacts of double-crested cormorant populations and other avian predators at fishing lakes and fish hatcheries in Georgia. Georgia Dept. of Natural Resources, Wildlife Resources Division, Social Circle, GA.

Sterritt, R. M. and J. N. Lester. 1988. Microbiology for environmental and public health engineers. E. & F. N. Spon, pub. New York.

Stickley, A.R., Jr. 1991. Cormorant feeding rates on commercially grown catfish. Aquacult. Mag. 17: 89-90.

Stickley, A.R., Jr., and K.J. Andrews. 1989. Survey of Mississippi catfish farmers on means, effort, and costs to repel fish-eating birds from ponds. Proceedings of the Eastern Wildlife Damage Control Conference 4:105-108.

Stickley, A.R., Jr., and J.O. King. 1995. Long-term trial of an inflatable effigy scare device or repelling cormorants from catfish ponds. Proc. East. Wildl. Damage Control Conf. 6:89-92.

Stickley, A.R., Jr., G.L. Warrick, and J.F. Glahn. 1992. Impacts of double-crested cormorant populations on channel catfish farms. J. World Aquacult. Soc. 23:192-198.

Stickley, A.R., Jr., D.F. Mott, and J.O. King. 1995. Short-term effects of an inflatable effigy on cormorants at catfish farms. Wildlife Society Bulletin 23:73-77.

Struger, J., D.V. Weseloh, D.J. Hallett, and P. Mineau. 1985. Organochlorine contaminants in herring gull eggs from the Detroit and Niagara Rivers and Saginaw Bay (1978-1982): contaminant discriminants. J. Great Lakes Res. 11(3): 223-30.

Swann, L. 1992. A basic overview of aquaculture: history, water quality, types of aquaculture, production methods. Technical Bull. Series No. 102. Illionois-Indiana Sea Grant Program, Purdue Univ. West Lafayette, IN. 10pp.

Terres, J.K. 1980. The Audubon Society Encyclopedia of North American Birds. Wings Bros. New York, New York.

Thompson, B.C., J.J. Campo. And R.C. Telfair II. 1995. Origin, population attributes, and management conflict resolution for double-crested cormorants wintering in Texas. Colonial Waterbirds 18 (Spec. Pub. 1):181-188.

Tillitt, D.E., G.T. Ankley, J.P. Giesy, J.P. Ludwig, H. Kurita-Matsuba. 1992. Polychlorinated biphenyl residues and egg mortality in double-crested cormorants from the Great Lakes. Environ. Toxicol. Chem. 11: 1281-8.

Tobin, M.E. 1998. Research and management of bird depredation at catfish farms. Proc. Vertebr. Pest Conf. 18:67-70.

Tobin, M.E., D.T. King, B.S. Dorr, and D.S. Reinhold. In Review. The effect of roost harassment on cormorant foraging and roosting in the Delta region of Mississippi.

Trapp, J.L., T.J. Dwyer, J.J. Doggett, and J.G. Nickum. 1995. Management responsibilities and policies for cormorants: United States Fish and Wildlife Service. Colonial Waterbirds 18 (Spec. Pub. 1):266-230.

Trapp, J.L., S.J. Lewis, and D.M. Pence. 1999. Double-crested cormorant impacts on sport fish: literature review, agency survey, and strategies. Pages 87-96 *In* Symposium on Double-crested Cormorants: Population Status and Management Issues in the Midwest. USDA-APHIS Tech. Bull. No. 1879.

Tucker, C.S. and E.H. Robinson. 1990. Channel Catfish Farming Handbook. Van Nostrand Reinhold, New York. 454pp.

Tyson, L.A., J.L. Belant, F.J. Cuthbert, and D.V. Weseloh. 1999. Nesting populations of double-crested cormorants in the United States and Canada. Pages 17-25 *In* Symposium on Double-crested Cormorants: Population Status and Management Issues in the Midwest. USDA-APHIS Tech. Bull. No. 1879.

USDA (United States Department of Agriculture, Economic Research Service). 2000. Aquaculture Outlook. LDP-AQS-11, Washington, D.C. March 2000.

USDA-APHIS (U.S. Department of Agriculture, Animal and Plant Health Inspection Service). 1989. Animal Damage Control Strategic Plan. USDA- APHIS ADC Operational Support Staff, 4700 River road, Unit 87, Riverdale, MD 20737.

USDA-APHIS (U. S. Department of Agriculture, Animal and Plant Health Inspection Service). 1997a. Bird predation and its control at aquaculture facilities in the northeastern United States. APHIS 11-55-009. Washington, D.C. 17pp.

USDA-APHIS (U. S. Department of Agriculture, Animal and Plant Health Inspection Service). 1997b. Revised: Animal Damage Control Program Final Environmental Impact Statement. Vol. 1-3. Animal and Plant Health Inspection Service, Riverdale, MD.

USDA-APHIS (U.S. Department of Agriculture, Animal and Plant Health Inspection Service). 1998. A Pilot Program to Investigate Techniques To Change Migration and Roosting Patterns of Double-crested Cormorants on Oneida Lake, New York. Castleton, New York.

USDA-APHIS (U.S. Department of Agriculture, Animal and Plant Health Inspection Service). 1999. Environmental Assessment of alternative strategies for the management of damage caused by Ring-billed Gulls and Double-crested Cormorants on Lake Champlain, Vermont and New York. March 12, 1999.

USDA-APHIS (U.S. Department of Agricuture, Animal and Plant Health Inspection Service, Wildlife Services). 2000. Environmental Assessment for Management of Conflicts Associated with Resident Canada Geese in Wisconsin.

USDA-NASS (U.S. Department of Agriculture, National Agricultural Statistics Service). 2000a. Catfish and trout production. Washington, D.C. 27pp.

USDA-NASS (U.S. Department of Agriculture, National Agricultural Statistics Service). 2000b. 1998 Census of Aquaculture. Washington, D.C. 90p.

USDI/USDC (U.S. Department of the Interior, Fish and Wildlife Service, and U.S. Department of Commerce, Bureau of the Census). 1997. 1996 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation. U.S. Govt. Printing Office, Washington, D.C.

USDI/USDC (U.S. Department of the Interior, Fish and Wildlife Service, and U.S. Department of Commerce, Bureau of the Census). 1998a. National Survey of Fishing, Hunting, and Wildlife-Associated Recreation: New York. U.S. Govt. Printing Office, Washington, D.C.

USDI/USDC (U.S. Department of the Interior, Fish and Wildlife Service, and U.S. Department of Commerce, Bureau of the Census). 1998b. National Survey of Fishing, Hunting, and Wildlife-Associated Recreation: Texas. U.S. Govt. Printing Office, Washington, D.C.

USFS (U.S. Forest Service). 2001. Midewin National Tallgrass Prairie Land and Resource Management Plan Draft Environmental Impact Statement. Midewin National Tallgrass Prairie, Wilmington, IL. (available at: http://www.fs.fed.us/mntp/plan/index.htm).

USFWS (U.S. Fish and Wildlife Service). 1995. Report to Congress: Great Lakes Fishery Resources Restoration Study.

USFWS (U.S. Fish and Wildlife Service). 1997. Recreational Fishery Resources Conservation Plan. Agency Action Plan, April 10, 1997.

USFWS (U.S. Fish and Wildlife Service). 1998a. Strategic Plan: September 30, 1997 - September 30, 2002. USDI U.S. Fish and Wildlife Service.

USFWS (U.S. Fish and Wildlife Service). 1998b. Establishment of a depredation order for the double-crested cormorant. Final Rule. Federal Register 63: 10550-10561.

USFWS (U.S. Fish and Wildlife Service). 1999a. Final Environmental Assessment Of a U.S. Fish and Wildlife Service Action to Issue a Migratory Bird Depredation Permit For the Take of Cormorants on Lake Ontario Islands, New York.

USFWS (U.S. Fish and Wildlife Service). 1999b. Final Environmental Assessment Of a U.S. Fish and Wildlife Service Action to Issue a Migratory Bird Depredation Permit For the Take of Cormorants and Gulls on Lake Champlain Islands, Vermont.

USFWS (U.S. Fish and Wildlife Service). 2000a. Grizzly Bear Recovery in the Bitterroot Ecosystem. Final Environmental Impact Statement. March 2000.

USFWS (U.S. Fish and Wildlife Service). 2000b. Seabird Predation on Juvenile Salmonids in the Columbia River Estuary. August 2000.

USFWS (U.S. Fish and Wildlife Service). 2000c. Adaptive Harvest Management: 2000 Hunting Season. U.S. Dept. of Interior, Washington, DC. 43pp.

USFWS/NMFS (U.S. Fish and Wildlife Service and National Marine Fisheries Service). 2000. Status report on Atlantic Salmon. Available at http://news.fws.gov/salmon/asalmon.html.

USFWS/VDFW/NYSDEC (U.S. Fish and Wildlife Service, Vermont Department of Fish and Wildlife, and New York State Department of Environmental Conservation). 2001. Draft Supplemental Environmental Impact Statement: A Long-term Program of Sea Lamprey Control in Lake Champlain.

Van Dam, C. and S. Asbirk, editors. 1997. Report of the workshop discussions on some management scenarios. Pages 123-129 *In* Cormorants and Human Interests, Proceedings of the Workshop Towards an International Conservation and Management Plan for the Great Cormorant (Phalacrocorax carbo).

Van der Veen, H.E. 1973. Some aspects of the breeding biology and demography of the double-crested cormorant (*Phalacrocorax auritus*) of Mandarte Island. Ph.D. thesis, University of Grönigen, Grönigen, The Netherlands.

VanDeValk, A.J., L.G. Rudstam, T. Brooking, and A. Beitler. 1999. Walleye Stock Assessment and Population Projections for Oneida Lake, 1998-2001. New York Federal Aid Study VII, Job 103. FA-5-R.

Van Eerden, M.R. and J. Gregersen. 1995. Long-term changes in the northwest European population of cormorants *Phalacrocorax carbo sinensis*. Ardea 83: 61-79.

Van Eerden, M.R. and B. Voslamber. 1995. Mass fishing by cormorants *Phalacrocorax carbo sinensis* at Lake Ijsselmeer, The Netherlands: a recent and successful adaptation to a turbid environment. Ardea 83: 199-212.

Van Eerden, M.R., K. Koffijberg, and M. Platteeuw. 1995. Riding on the crest of the wave: possibilities and limitations for a thriving population of migratory cormorants *Phalacrocorax carbo* in mandominated wetlands. Ardea 83: 1-9.

Van Gorder, S. 1992. The growth of the aquaculture industry. Alternative Aquaculture Network 9(2):1-2.

Veldkamp, R. 1997. Cormorants *Phalacrocorax carbo* in Europe: population size, growth rates and results of control measures. Pages 21-29 *In* Cormorants and Human Interests, Proceedings of the Workshop towards an International Conservation and Management Plan for the Great Cormorant (Phalacrocorax carbo).

Vermeer, K. 1969. Colonies of double-crested cormorants and white pelicans in Alberta. Canadian Field-Naturalist 83: 36-39.

Vermeer, K. and L. Rankin. 1984. Population trends in nesting double-crested and pelagic cormorants in Canada. Murrelet 65: 1-9.

Vidal Martinez, V.M., D. Osorio Sarabia, and R.M. Overstreet. 1994. Experimental infection of Contracaecum multipapillatum from Mexico in the domestic cat. J. of Parasitology 80(4): 576-579.

Werner, S.J., D.T. King, and D.E. Wooten. 2000. Double-crested cormorant satellite telemetry: preliminary insight. Presented at the ninth Eastern Wildlife Damage Management Conference; State College, PA.

Weseloh, D.V. and J. Casselman. 1992. Calculated fish consumption by double-crested cormorants in eastern Lake Ontario. Colonial Waterbirds 16(2): 63-64.

Weseloh, D.V., and P.J. Ewins. 1994. Characteristics of a rapidly increasing colony of double-crested cormorants (*Phalacrocorax auritus*) in Lake Ontario: population size, reproductive parameters and band recoveries. J. Great Lakes Res. 20(2):443-456.

Weseloh, D.V. and B. Collier. 1995. The rise of the double-crested cormorant on the Great Lakes: winning the war against contaminants. Great Lakes Fact sheet. Canadian Wildlife Service, Environment Canada and Long Point Observatory.

Weseloh, D.V.C. and T.P. Havelka. Potential impacts of double-crested cormorants (Phalacrocorax auritus) on Black-crowned Night-herons (Nycticorax nycticorax) and other colonial waterbirds. Abstract. International Association of Great Lakes Research conference. Green Bay, WI. 2001.

Weseloh, D.V., S.M. Teeple, and M. Gilbertson. 1983. Double-crested cormorants of the Great Lakes: egg-laying parameters, reproductive failure, and contaminant residues in eggs, Lake Huron 1972-1973. Canadian Journal of Zoology 61: 427-36.

Weseloh, D.V., P.J. Ewins, J. Struger, P. Mineau, C.A. Bishop, S. Postupalsky, and J.P. Ludwig. 1995. Double-crested cormorants of the Great Lakes: changes in population size, breeding distribution and reproductive output between 1913 and 1991. Colonial Waterbirds 18 (Spec. Publ. 1): 48-59.

White, S. 1999. Introduction to Aquaculture. Maine Sea Grant. 2pp.

Williams, B. K. 1989. Review of dynamic optimization methods in renewable natural resource management. Nat. Resour. Model. 3:137-216.

Williams, B. K., and J. D. Nichols. 1990. Modeling and the management of migratory birds. Nat. Resour. Model. 4:273-311.

Wilson, U.W. 1991. Response of three seabird species to El Nino events and other warm episodes on the Washington coast, 1979-1990. Condor 93: 853-8.

Wires, L.R. and F.J. Cuthbert. 2000. Trends in Caspian tern numbers and distribution in North America: a review. Waterbirds 23(3): 388-404.

Wires, L.R., F.J. Cuthbert, D.R. Trexel, and A.R. Joshi. 2001. Status of the Double-crested Cormorant (*Phalacrocorax auritus*): Eastern and Central North America. USFWS Report.

Wires, L.R., D.N. Carss, F.J. Cuthbert, and J.J. Hatch. In Press. Transcontinental connections in relation to cormorant-fisheries conflicts: perceptions and realities of a "bête noir" on both sides of the Atlantic. Vogelwelt XX:xxx-xxx.

Wywialowski, A.P. 1998. Wildlife-caused losses for catfish producers in 1996. Washington, D.C.: U.S. Department of Agriculture, Animal and Plant Health Inspection Service, Policy and Program Development.

Wywialowski, A.P. 1999. Wildlife-caused losses for producers of channel catfish (*Italurus punctatus*) in 1996. J. World Aquacult. Soc. 30:461-472.

Yamashita, N., S. Tanabe, J.P. Ludwig, H. Kurita, M.E. Ludwig, and R. Tatsukawa. 1993. Embryonic abnormalities and organochlorine contamination in double-crested cormorants (*Phalacrocorax auritus*) and caspian terns (*Hydroprogne caspia*) from the upper Great Lakes in 1988. Environ. Pollut. 79: 163-73.