

LITERATURE CITED

- Aebischer, N.J. 1986. Retrospective investigation of an ecological disaster in the shag, *Phalacrocorax aristotelis*: a general method based on long-term marking. *Journal of Animal Ecology* 55:613-629.
- , and J.C. Coulson. 1990. Survival of the kittiwake in relation to sex, year, breeding experience and position in the colony. *Journal of Animal Ecology* 59:1063-1071.
- , ———, and J.M. Colebrook. 1990. Parallel long-term trends across four marine trophic levels and weather. *Nature* 347:753-755.
- Agler, B.A., S.J. Kendall, D.B. Irons, and K.K. Laing. 1996. Long-term population change of marine birds in Prince William Sound, Alaska. *Pacific Seabirds* 23:22.
- , P.E. Seiser, S.J. Kendall, and D.B. Irons. 1994. Marine bird and sea otter population abundance of Prince William Sound, Alaska: trends following the T/V *Exxon Valdez* oil spill, 1989-93. *Exxon Valdez Oil Spill Restoration Project Final Report, Project 93045*. U.S. Department of Interior, Fish and Wildlife Service, Anchorage, Alaska.
- , ———, ———, and ———. 1995a. Winter marine bird and sea otter abundance of Prince William Sound, Alaska: trends following the T/V *Exxon Valdez* oil spill 1990-94. *Exxon Valdez Oil Spill Restoration Project Final Report, Project 94159*. U.S. Department of Interior, Fish and Wildlife Service, Anchorage, Alaska.
- , S.J. Kendall, D.B. Irons, P.E. Seiser, and D.B. Irons. 1995b. Estimates of marine bird and sea otter abundance in Lower Cook Inlet, Alaska during summer 1993 and winter 1994. *Final Report Submitted to Minerals Management Service, Anchorage, Alaska*. U.S. Fish and Wildlife Service, Anchorage, Alaska.
- Ainley, D.G. 1980. Geographic variation in Leach's storm-petrel. *Auk* 97:837-853.
- , and R.J. Boekelheide (editors). 1990. *Seabirds of the Farallon Islands: ecology, structure, and dynamics of an upwelling system community*. Stanford University Press, Palo Alto, California.
- , and G.L. Hunt. 1990. Status and conservation of seabirds in California. Pages 103-114 in J.P. Croxall (editor). *Seabird status and conservation: a supplement*. Technical Publication Number 11. International Council for Bird Preservation, Cambridge, England.
- , and T.J. Lewis. 1974. The history of Farallon Island marine bird populations, 1854-1972. *Condor* 76:432-446.

Literature Cited

- , and S.R. Sanders. 1989. The status of seabirds in the Arthur Harbor/Biscoe Bay area, 1987-89. *Final Report*. National Science Foundation, Office of Polar Programs, Arlington, Virginia.
- , D.W. Anderson, and P.R. Kelly. 1981. Feeding ecology of marine cormorants in southwestern North America. *Condor* 83:120-131.
- , R.E. LeResche, and W.J.L. Sladen. 1983. *Breeding biology of the Adélie penguin*. University of California Press, Berkeley.
- , N. Nur, and E.J. Woehler. 1995a. Factors affecting the size and distribution of pygoscelid penguin colonies in the Antarctic. *Auk* 112:171-182.
- , C.A. Ribic, and R.C. Wood. 1990. A demographic study of the South Polar skua *Catharacta maccormicki* at Cape Crozier. *Journal of Animal Ecology* 59:1-20.
- , W.J. Sydeman, and J. Norton. 1995b. Upper-trophic level predators indicate interannual negative and positive anomalies in the California Current food web. *Marine Ecology Progress Series* 118:69-79.
- , ———, S.A. Hatch, and U.W. Wilson. 1994. Seabird population trends along the west coast of North America: causes and the extent of regional concordance. *Studies in Avian Biology* 15:119-133.
- , R.R. Veit, S.G. Allen, L.B. Spear, and P. Pyle. 1995c. Variations in marine bird communities of the California Current, 1986-1994. *California Cooperative Oceanic Fisheries Investigations Reports* 36.
- Akcakaya, H.R. 1994. *RAMAS/metapop user manual*. Exeter Software, Setauket, New York.
- Allee, W.C., A.E. Emerson, O. Park, T. Park, and K.P. Schmidt. 1949. *Principles of animal ecology*. Saunders, Philadelphia.
- Allendorf, F.W., and R.F. Leary. 1986. Heterozygosity and fitness in natural populations of animals. Pages 57-76 in M.R. Soulé (editor). *Conservation biology: The science of scarcity and diversity*. Sinauer, Sunderland, Massachusetts.
- American Ornithologists' Union, 1983. *Checklist of North American birds, 6th edition*. Washington, D.C.
- Anderson, C. 1981. California least tern breeding survey, 1981. Unpublished progress report. South Bay Institute of Avian Studies.
- Anderson, D.W., and F. Gress. 1983. Status of a northern population of California brown pelicans. *Condor* 85:79-88.

Literature Cited

- _____, _____, and D.M. Fry. 1996. Survival and dispersal of oiled brown pelicans after rehabilitation and release. *Marine Pollution Bulletin* 32:711-718.
- Anker-Nilssen, T., P. Hope-Jones, and O.W. Røstand. 1988. Age, sex and origins of auks (Alcidae) killed in the Skagerrak oiling incident of January 1981. *Seabird* 11:28-46.
- Ashmole, N.P. 1963. The regulation of numbers of tropical oceanic birds. *Ibis* 103b:458-473.
- _____. 1971. Seabird ecology and the marine environment. Pages 223-286 in D.S. Farner, J.R. King, and K.C. Parks (editors). *Avian biology*. Academic Press, New York.
- Atkinson, I.A.E. 1985. The spread of commensal species of *Rattus* to oceanic islands and their effects on island avifaunas. Pages 35-81 in P.J. Moors (editor). *Conservation of island birds: case studies for the management of threatened species*. Technical Publication Number 3. International Council for Bird Preservation, Cambridge, England.
- _____. 1994. *Guidelines to the development and monitoring of restoration programmes*. New Zealand Department of Conservation Technical Series.
- Awise, J.C., and W.S. Nelson. 1989. Molecular genetic relationships of the extinct dusky seaside sparrow. *Science* 241:646-648.
- Bailey, E.P. 1993. *Introduction of foxes to Alaskan islands: history, effects on avifauna and eradication*. Resource Publication Number 193. U.S. Fish and Wildlife Service.
- _____, and G.H. Davenport. 1972. Die-off of common murrelets on the Alaska peninsula and Unimak Island. *Condor* 74:215-219.
- Baird, P.A., S.A. Hatch, R.D. Jones, D.R. Nysewander, and M.R. Petersen. 1983. The breeding biology and feeding ecology of marine birds in the Gulf of Alaska. Unpublished report. U.S. Fish and Wildlife Service, Anchorage, Alaska.
- Baker, J.M., R.B. Clark, P.F. Kingston, and R.H. Jenkins. 1990. Natural recovery of cold water marine environments after an oil spill. 13th Annual Arctic and Marine Oilspill Program Technical Seminar, Arctic and Marine Oilspill Program.
- Bakun, A., and R.H. Parrish. 1982. Turbulence, transport, and pelagic fish in the California and Peru Current systems. *California Cooperative Oceanic Fisheries Investigations Reports* 23:99-112.
- Barnes, J.T., L.D. Jacobsen, A.D. MacCall, and P. Wolf. 1992. Recent population trends and abundance estimates for the Pacific sardine (*Sardinops sagax*). *California Cooperative Oceanic Fisheries Investigations Reports* 33:60-75.
- Bédard, J. 1969a. Adaptive radiation in Alcidae. *Ibis* 111:189-198.

Literature Cited

- . 1969b. The nesting of the crested, least, and parakeet auklets on St. Lawrence Island, Alaska. *Condor* 71:386-398.
- Beddington, J.R., and R.M. May. 1982. The harvesting of interacting species in a natural ecosystem. *Scientific American* November:62-69.
- Beissinger, S.R. 1995. Population trends of the marbled murrelet projected from demographic analyses. Pages 385-394 in C.J. Ralph, J.G.L. Hunt, M.G. Raphael, and J.F. Piatt (editors). *Ecology and conservation of the marbled murrelet*. General Technical Report PSW-GTR-152. Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture, Albany, California.
- Belant, J.L., J.F. Olson, and R.K. Anderson. 1993. Evaluation of the single survey technique for assessing common loon populations. *Journal of Field Ornithology* 64:77-83.
- Bell, B.D. 1994. Translocation of fluttering shearwaters: developing a method to re-establish seabird populations. Pages 143-148 in M. Serena (editor). *Reintroduction biology of Australian and New Zealand fauna*. Surrey Beatty and Sons, Chipping Norton.
- Bellingham, P.J., T.G. Lovegrove, J. McCallum, S.E. Pitt, and I.C. Southey. 1981. Birds of Cuvier Island. *Tane* 27:2332.
- Bergman, G. 1982. Population dynamics, colony formation and competition in *Larus argentatus*, *fuscus* and *marinus* in the archipelago of Finland. *Annales Zoologici Fennici* 19:143-164.
- Birkhead, T.R. 1974. The movements and survival of British guillemots. *Bird Study* 21:241-254.
- . 1977. The effect of habitat and density on breeding success in the common guillemot (*Uria aalge*). *Journal of Animal Ecology* 46:751-764.
- . 1993. *Great auk islands*. T. and A.D. Poyser, London.
- , and R.W. Furness. 1985. Regulation of seabird populations. Pages 145-167 in R.M. Sibley and R.H. Smith (editors). *Behavioural ecology: ecological consequences of adaptive behaviour*. Blackwell Scientific Publications, Oxford.
- , and P.J. Hudson. 1977. Population parameters for the common guillemot *Uria aalge*. *Ornis Scandinavica* 8:145-154.
- , and D.N. Nettleship. 1987. Ecological relationships between common murre, *Uria aalge*, and thick-billed murre, *Uria lomvia*, at the Gannet Islands, Labrador. II. Breeding success and site characteristics. *Canadian Journal of Zoology* 65:1630-1637.
- , and ———. 1995. Arctic fox influence on a seabird community in Labrador: a natural experiment. *Wilson Bulletin* 107:397-412.

Literature Cited

- 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. *Marine Ecology Progress Series* 40:205-208.
- Birt-Friesen, V.L., W.A. Montevecchi, A.J. Gaston, and W.S. Davidson. 1992. Genetic structure of thick-billed murre (*Uria lomvia*) populations examined using direct sequence analysis of amplified DNA. *Evolution* 46:267-272.
- Blanchard, K.A. 1987. Strategies for the conservation of seabirds on Quebec's North Shore and geese on Alaska's Yukon-Kuskokwim Delta: a comparison. *Transactions of the North American Wildlife and Natural Resources Conference* 52:399-407.
- . 1994. Culture and seabird conservation: the North Shore of the Gulf of St. Lawrence, Canada. Pages 294-310 In D.N. Nettleship, J. Burger, and M. Gochfeld (editors). *Seabirds on islands: threats, case studies, and action plans*. Birdlife Conservation Series Number 1. Birdlife International, Cambridge, England.
- , and D.N. Nettleship. 1992. Education and seabird conservation: a conceptual framework. Pages 616-632 in D.R. McCullough and R.H. Barrett (editors). *Wildlife 2001: populations*. Elsevier Applied Science, London.
- Blokpoel, H., and W.C. Scharf. 1990. Status and conservation of seabirds nesting in the Great Lakes of North America. Pages 17-41 in J.P. Croxall (editor). *Seabird status and conservation: a supplement*. Technical Publication Number 11. International Council for Bird Preservation, Cambridge, England.
- Boersma, P.D. 1978. Breeding patterns of Galapagos penguins as a indicator of oceanographic conditions. *Science* 200:1481-1483.
- , J.K. Parrish, and A.B. Kettle. 1995. Common murre abundance, phenology, and productivity on the Barren Islands, Alaska: the Exxon Valdez oil spill and the long-term environmental changes. Pages 820-853 in P.G. Welis, J.N. Butler, and J.S. Hughes (editors). *Exxon Valdez oil spill: fate and effects in Alaskan waters*. ASTM STP 1219. ASTM, Philadelphia.
- Bosman, A.L., and P.A.R. Hockey. 1988. The influence of seabird guano on the biological structure of rocky intertidal communities on islands off the west coast of southern Africa. *South African Journal of Marine Science* 6:61-68.
- , J.T. DuToit, P.A.R. Hockey, and G.M. Branch. 1986. A field experiment demonstrating the influence of seabird guano on intertidal primary production. *Estuarine, Coastal and Shelf Science* 23:283-294.
- Boyce, M.S. 1992. Population viability analysis. *Annual Review of Ecological Systems* 23:481-506.

Literature Cited

- Bradley, J.S., and R.D. Wooller. 1991. Philopatry and age of first-breeding in long-lived birds. *Acta International Ornithological Congress* 20:1657-1665.
- Branch, G.M., A. Barkai, P.A. Hockey, and L. Hutchings. 1987. Biological interactions: causes or effects of variability in the Benguela ecosystem. *South African Journal of Marine Science* 5:425-446.
- Brooke, M. 1990. *The manx shearwater*. T. and A.D. Poyser, London.
- . 1995. The breeding biology of the gadfly petrels *Pterodroma* spp. of the Pitcairn Islands: characteristics, population sizes and controls. *Biological Journal of the Linnean Society* 56:213-231.
- Brown, R.G.B., and D.N. Nettleship. 1984. The seabirds of northeastern North America: their present status and conservation requirements. Pages 85-100 in J.P. Croxall, P.G.H. Evans, and R.W. Schreiber (editors). *Status and conservation of the world's seabirds*. Technical Publication Number 2. International Council for Bird Preservation, Cambridge, England.
- Brun, G.L., G.D. Howell, and H.J. O'Neil. 1991. Spatial and temporal patterns of organic contaminants in wet precipitation in Atlantic Canada. *Environmental Science and Technology* 25:1249-1261.
- Buckley, F.G., and P.A. Buckley. 1980. Habitat selection in seabirds. Pages 69-112 in J. Burger, B.L. Olla, and H.E. Winn (editors). *Behavior of marine animals: marine birds*. Plenum Press, New York.
- Buckley, P.A., and F.G. Buckley. 1984. Seabirds of the north and middle Atlantic coast of the United States: their status and conservation. Pages 101-134 in J.P. Croxall, P.G.H. Evans, and R.W. Schreiber (editors). *Status and conservation of the world's seabirds*. Technical Publication Number 2. International Council for Bird Preservation, Cambridge, England.
- , and R. Downer. 1992. Modelling metapopulation dynamics for single species of seabirds. Pages 563-585 in D.R. McCullough and R.H. Barrett (editors). *Wildlife 2001: populations*. Elsevier Applied Science, London.
- Burger, A.E. 1995. Inland habitat associations of marbled murrelets in British Columbia. Pages 151-162 in C.J. Ralph, J.G.L. Hunt, M.G. Raphael, and J.F. Piatt (editors). *Ecology and conservation of the marbled murrelet*. General Technical Report PSW-GTR-152. Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture, Albany, California.
- Burger, J., and M. Gochfeld. 1990. *The black skimmer: social dynamics of a colonial species*. Columbia University Press, New York.
- , and ———. 1994. Predation and effects of humans on island-nesting seabirds. Pages 39-67 in D.N. Nettleship, J. Burger, and M. Gochfeld (editors). *Seabirds on islands: threats*,

Literature Cited

- case studies, and action plans*. Birdlife Conservation Series Number 1. Birdlife International, Cambridge, England.
- Burgman, M.A., S. Ferson, and H.R. Akcakaya. 1993. *Risk assessment in conservation biology*. Chapman and Hall, London.
- Burns, R.A., L.M. Prestash, and K.J. Kuletz. 1994. Pilot study on the capture and radio tagging of murrelets in Prince William Sound, Alaska. 1993. *Exxon Valdez Oil Spill Restoration Final Report, Project 93051B*. U.S. Department of Interior, Fish and Wildlife Service, Anchorage, Alaska.
- Butterworth, D.S., D.C. Duffy, P.B. Best, and M.O. Bergh. 1988. On the scientific basis for reducing the South African seal population. *South African Journal of Science* 84:179-188.
- Byrd, G.V. 1979. Artificial nest structures used by wedge-tailed shearwaters at Kilauea Point, Kauai. *Elepaio* 40:10-12.
- . 1989. *Seabirds in the Pribilof Islands, Alaska: trends and monitoring methods*. Master of Science Thesis. University of Idaho.
- , J.L. Trapp, and C.F. Zeillemaker. 1994. Removal of introduced foxes: a case study in restoration of native birds. *Transactions of the North American Wildlife and Natural Resources Conference* 59:317-321.
- Cade, T.J., and S.A. Temple. 1977. The Cornell University falcon programme. Pages 353-369 in R.D. Chancellor (editor). *Report on the proceedings of the world conference on birds of prey, Vienna 1975*. International Council for Bird Preservation, Cambridge, England.
- Cairns, D.K. 1980. Nesting density, habitat structure and human disturbance as factors in black guillemot reproduction. *Wilson Bulletin* 92:352-361.
- . 1987. Seabirds as indicators of marine food supplies. *Biological Oceanography* 5:261-271.
- . 1989. The regulation of seabird colony size: a hinterland model. *American Naturalist* 134:141-146.
- . 1992. Population regulation of seabird colonies. *Current Ornithology* 9:37-61.
- , and R.D. Elliot. 1987. Oil impact assessment for seabirds: the role of refugia and growth centres. *Biological Conservation* 40:1-9.
- , G. Chapdelaine, and W.A. Montevecchi. 1991. Prey exploitation by seabirds in the Gulf of St. Lawrence. Pages 277-291 in J.-C. Therriault (editor). *The Gulf of St. Lawrence: small ocean or big estuary?*. Special Publication 113. *Canadian Journal of Fisheries and Aquatic Sciences*.

Literature Cited

- Camphuysen, C.J. 1989. *Beached birds in the Netherlands, 1972-1988*. Stichting Werkgroep Nordzee.
- Carter, H.R. 1984. *At-sea biology of the marbled murrelet (Brachyramphus marmoratus) in Barkley Sound, British Columbia*. Master of Science Thesis. University of Manitoba, Winnipeg.
- , and S.G. Sealy. 1984. Marbled murrelet mortality due to gill-net fishing in Barkley Sound, British Columbia. Pages 212-220 in D.N. Nettleship, G.A. Sanger, and P.F. Singer (editors). *Marine birds: their feeding ecology and commercial fisheries relationships*. Special Publication. Canadian Wildlife Service, Minister of Supply and Services, Ottawa.
- , and ———. 1986. Year-round use of coastal lakes by marbled murrelets. *Condor* 88:473-477.
- , M.L. McAllister, and M.E. Isleib. 1995. Mortality of marbled murrelets in gill nets in North America. Pages 271-284 in C.J. Ralph, J.G.L. Hunt, M.G. Raphael, and J.F. Piatt (editors). *Ecology and conservation of the marbled murrelet*. General Technical Report PSW-GTR-152. Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture, Albany, California.
- , 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 on the northern and central California coasts in 1989 and 1990*. U.S. Department of Interior, Minerals Management Service, Washington, D.C.
- Carter, I.C., J. M. Williams, A. Webb, and M. L. Tasker. 1993. *Seabird concentrations in the North Sea: an atlas of vulnerability to surface pollutants*. Joint Nature Conservation Committee.
- Caswell, H., and D.B. Macdonald. 1993. Matrix methods for avian demography. *Current Ornithology* 10:139-185.
- Clode, D. 1993. Colonially breeding seabirds: predators or prey? *TREE* 8:336-338.
- Clout, M.N., and A.J. Saunders. 1995. Conservation and ecological restoration in New Zealand. *Pacific Conservation Biology* 2:91-98.
- Cooney, R.T. 1993. A theoretical evaluation of the carrying capacity of Prince William Sound, Alaska, for juvenile Pacific salmon. *Fishery Research* 18:77-87.
- Coulson, J.C. 1968. Differences in the quality of birds nesting at the center and on the edges of a colony. *Nature* 217:478-479.
- . 1991. The population dynamics of culling herring gulls and lesser black-backed gulls. Pages 479-497 in C.M. Perrins, J.D. Lebreton, and G.J.M. Hirons (editors). *Bird population studies*. Oxford University Press, Oxford.

Literature Cited

- , and G.N. de Mévergnies. 1992. Where do young kittiwakes *Rissa tridactyla* breed, philopatry, or dispersal. *Ardea* 80:187-197.
- , and C.S. Thomas. 1985. Changes in the biology of the kittiwake *Rissa tridactyla*: a 31-year study of a breeding colony. *Journal of Animal Ecology* 54:9-26.
- Craig, J.L., and C.R. Veitch. 1990. Transfer of organisms to islands. Pages 255-260 In D.R. Towns, C.H. Daugherty, and I.A.E. Atkinson (editors). *Ecological restoration of New Zealand islands*. Conservation Sciences Publication Number 2. New Zealand Department of Conservation, Wellington.
- Craik, J.C.A. 1993. Notes from the war zone. *Seabird Group Bulletin* October.
- Crawford, R.J.M., and P.A. Shelton. 1978. Pelagic fish and seabird interrelationships off the coasts of southwest and South Africa. *Biological Conservation* 14:85-109.
- , A.J. Williams, J.H. Hofmeyr, N.T.W. Klages, R.M. Randall, J. Cooper, B.M. Dyer, and Y. Cheesselet. 1995. Trends of African penguin *Spheniscus demersus* populations in the 20th century. *South African Journal of Marine Science* 16:101-118.
- Croxall, J.P., and A.J. Gaston. 1988. Patterns of reproduction in high-latitude Northern- and Southern-Hemisphere seabirds. *Acta XIX Congressus Internationalis Ornithologici* 19:1176-1194.
- , and P. Rothery. 1991. Population regulation of seabirds: implications of their demography and conservation. Pages 272-296 in C.M. Perrins, J.-D. Lebreton, and G.J.M. Hirons (editors). *Bird population studies*. Oxford University Press, Oxford.
- , ———, S.P.C. Pickering, and P.A. Prince. 1990. Reproductive performance, recruitment and survival of wandering albatrosses *Diomedea exulans* at Bird Island, South Georgia. *Journal of Animal Ecology* 59:775-796.
- Dauchin, E., and J.Y. Monnat. 1992. Population dynamic modelling of two neighboring kittiwake *Rissa tridactyla* colonies. *Ardea* 80:171-180.
- Day, R.H. 1995. New information on Kittlitz's murrelet nests. *Condor* 97:271-273.
- , K.L. Oakley, and D.R. Barnard. 1983. Nest sites and eggs of Kittlitz's and marbled murrelets. *Condor* 85:265-273.
- , D.H.S. Wehle, and F.C. Coleman. 1985. Ingestion of plastic pollutants by marine birds. Pages 344-386 in R.S. Shomura and H.O. Yoshida (editors). *Proceedings of the workshop on the fate and impact of marine debris*. Technical Memorandum NOAA-TM-NMFS-SWFC-54. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Honolulu, Hawaii.

Literature Cited

- , S.M. Murphy, J.A. Wiens, G.D. Hayward, E.J. Harner, and L.N. Smith. 1995. Use of oil-affected habitats by birds after the *Exxon Valdez* oil spill. Pages 726-759 in P.G. Wells, J.N. Butler, and J.S. Hughes (editors). *Exxon Valdez oil spill: fate and effects in Alaskan waters*. ASTM STP 1219. ASTM, Philadelphia.
- , ———, ———, ———, ———, and ———. 1997. Effects of the *Exxon Valdez* oil spill on habitat use by birds in Prince William Sound, Alaska. *Ecological Applications* 7:593-613.
- DeGange, A.R., R.H. Day, J.E. Takekawa, and V.M. Mendenhall. 1993. Losses of seabirds in gill nets in the north Pacific. Pages 204-211 in K. Vermeer, K.T. Briggs, K.H. Morgan, and D. Siegel-Causey (editors). *The status, ecology and conservation of marine birds of the north Pacific*. Special Publication. Canadian Wildlife Service, Ottawa.
- Denlinger, L.M., D.G. Roseneau, A.L. SOWLS, and A.M. Springer. 1994. Murre and kittiwake monitoring and effects of blasting and aircraft activities on seabirds at Cape Lisburne, Alaska, 1992. Pages 13-68 in D.B. Irons (editor). *Monitoring of populations and productivity of seabirds at Cape Lisburne and Little Diomedea, Alaska, 1992*. OCS Study MMS 93-0060. U.S. Fish and Wildlife Service for the Minerals Management Service, Anchorage, Alaska.
- Diamond, A.W. 1978. Feeding strategies and population size in tropical seabirds. *American Naturalist* 112:215-223.
- Divoky, G.J. 1982. The occurrence and behavior of nonbreeding Horned Puffins at Black Guillemot colonies in northern Alaska. *Wilson Bulletin* 94:356-358.
- , and M. Horton. 1995. Breeding and natal dispersal, nest habitat loss and implications for marbled murrelet populations. Pages 83-87 in C.J. Ralph, J.G.L. Hunt, M.G. Raphael, and J.F. Piatt (editors). *Ecology and conservation of the marbled murrelet*. General Technical Report PSW-GTR-152. Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture, Albany, California.
- , G.E. Watson, and J.C. Bartonek. 1974. Breeding of the black guillemot in northern Alaska. *Condor* 76:339-343.
- Doughty, R.W. 1975. *Feather fashions and bird preservation: a study in nature protection*. University of California Press, Berkeley.
- Drent, R.H. 1965. Breeding biology of the pigeon guillemot *Cepphus columba*. *Ardea* 53:99-160.
- Duffy, D.C. 1983. Competition for nesting space among Peruvian guano birds. *Auk* 100:680-688.
- . 1991. Ants, ticks, and nesting seabirds: dynamic interactions. Pages 242-257 in J.E. Loye and M. Zuk (editors). *Bird-parasite interactions: ecology, evolution, and behaviour*. Oxford University Press, Oxford.

Literature Cited

- . 1993. Stalking the Southern Oscillation: environmental uncertainty, climate change and north Pacific seabirds. Pages 61-67 in K. Vermeer, K.T. Briggs, K.H. Morgan, and D. Siegel-Causey (editors). *The status, ecology and conservation of marine birds of the north Pacific*. Special Publication. Canadian Wildlife Service, Ottawa.
- . 1994. Afterwards: an agenda for managing seabirds and islands. Pages 311-318 in D.N. Nettleship, J. Burger, and M. Gochfeld (editors). *Seabirds on islands: threats, case studies, and action plans*. Birdlife Conservation Series Number 1. Birdlife International, Cambridge, England.
- . 1996. *APEX: Alaska Predator Ecosystem Experiment. Exxon Valdez Oil Spill Restoration Project Annual Report, Project 95163*. U.S. Department of Interior, Fish and Wildlife Service, Anchorage, Alaska.
- , and D.N. Nettleship. 1992. Seabirds: management problems and research opportunities. Pages 525-546 in D.R. McCullough and R.H. Barrett (editors). *Wildlife 2001: populations*. Elsevier Applied Science, London.
- , and D.C. Schneider. 1994. Seabird-fishery interactions: a manager's guide. Pages 26-38 in D.N. Nettleship, J. Burger, and M. Gochfeld (editors). *Seabirds on islands: threats, case studies, and action plans*. Birdlife Conservation Series 1. Birdlife International, Cambridge, England.
- , C. Hays, and M. Plenge. 1984. The conservation status of Peruvian seabirds. Pages 231-236 in J.P. Croxall, P.G.H. Evans, and R.W. Schreiber (editors). *Status and conservation of the world's seabirds*. Technical Publication Number 2. International Council for Bird Preservation, Cambridge, England.
- Elliot, R.D. 1991. *The management of the Newfoundland turr hunt*. Occasional Paper 69:29-35. Canadian Wildlife Service.
- , B.T. Collins, E.G. Hayakawa, and L. Metras. 1991. *The harvest of murre in Newfoundland from 1977-78 to 1987-88*. Occasional Paper 69:36-44. Canadian Wildlife Service.
- Emlen, J.M. 1984. *Population biology*. Macmillan, New York.
- Erickson, R.C. 1976. Whooping crane studies at the Patuxent Wildlife Research Center. Pages 166-176 in J.C. Lewis (editor). *Proceedings of the international crane workshop*. Oklahoma State University Publishing and Printing, Stillwater.
- Erikson, D.E. 1995. Surveys of murre colony attendance in the northern Gulf of Alaska following the Exxon Valdez oil spill. Pages 780-819 in P.G. Wells, J.N. Butler, and J.S. Hughes (editors). *Exxon Valdez oil spill: fate and effects in Alaskan waters*. ASTM STP 1219. ASTM, Philadelphia.

Literature Cited

- Evans, P.G.H. 1987. Electrophoretic variability of gene products. Pages 105-162 in F. Cooke and P.A. Buckley (editors). *Avian genetics*. Academic Press, London.
- Evers, D.C., J. Fair, and P.S. Reaman. 1995. Development of a restoration technique for common and Pacific loons. Page 2. *Abstract*. Unpublished proposal to U.S. Fish and Wildlife Service. Biodiversity Inc, Paradise, Michigan.
- , P.S. Reaman, J.D. Kaplan, and J.D. Paruk. 1996. *North American loon biomonitoring program: 1989-95 comprehensive report*. BioDiversity Inc, Paradise, Michigan.
- Ewins, P.J. 1985. Colony attendance and censusing of black guillemots *Cepphus grylle* in Shetland. *Bird Study* 32:176-185.
- Fair, J., and B.M. Poirier. 1993. Managing for common loons on hydroelectric project reservoirs in northern New England. Page 221 in L. Morse, S. Stockwell, and M. Pokras (editors). *Proceedings of the 1992 conference on the loon and its ecosystem: status, management, and environmental concerns*. U.S. Fish and Wildlife Service, Concord, New Hampshire.
- Ferson, S., and H.R. Akcakaya. 1990. *RAMAS/age User Manual*. Exeter Software, Setauket, New York.
- Field, R., M.R. North, and J. Wells. 1993. Nesting activity of the yellow-billed loon (*Gavia adamsii*) in northern Alaska. Pages 164-170 in L. Morse, S. Stockwell, and M. Pokras (editors). *Proceedings of the 1992 conference on the loon and its ecosystem*. U.S. Fish and Wildlife Service, Concord, New Hampshire.
- Fisher, H.I. 1971. Experiments on homing in Laysan albatrosses (*Diomedea immutabilis*). *Condor* 73:389-400.
- Ford, R.G., M.L. Bonnell, D.H. Varoujean, G.W. Page, H.R. Carter, B.E. Sharp, D. Heinemann, and J.L. Casey. 1996. Total direct mortality of seabirds from the Exxon Valdez oil spill. Pages 684-711 in S.D. Rice, R.B. Spies, D.A. Wolfe, and B.A. Wright (editors). *Proceedings of the Exxon Valdez oil spill symposium*. American Fisheries Society Symposium. 18.
- Forsell, D., and P.J. Gould. 1981. *Distribution and Abundance of Marine Birds and Mammals Wintering in the Kodiak Area of Alaska*. FWS/OBS-81/13. U.S. Department of Interior, Fish and Wildlife Service, Biological Services Program.
- Forslund, P., and T. Part. 1995. Age and reproduction in birds: tests and hypotheses. *TREE* 10:374-378.
- Francis, R.C. and S.R. Hare. 1994. Decadal-scale regime shifts in the large marine ecosystems of the northeast Pacific: a case for historical science. *Fisheries Oceanography* 3:271-291.
- Fraser, W.R., W.Z. Trivelpiece, D.G. Ainley, and S.G. Trivelpiece. 1992. Increases in Antarctic penguin populations: reduced competition with whales or a loss of sea ice due to environmental warming. *Polar Biology* 11:525-531.

Literature Cited

- Friesen, V.L. 1992. *Population differentiation and evolution among thick-billed (Uria lomvia) and common murre (U. aalge)*. Doctor of Philosophy Dissertation. Memorial University of Newfoundland, St. John's.
- , J.F. Piatt, and A.J. Baker. 1996. Evidence from cytochrome *b* sequences and allozymes for a "new" species of alcid: the long-billed murrelet (*Brachyramphus perdix*). *Condor* 98:681-690.
- , W.A. Montevecchi, A.J. Baker, R.T. Barrett, and W.S. Davidson. 1997. Population differentiation and evolution in the common guillemot (*Uria aalge*). *Molecular Ecology* 5:793-805.
- Fry, D.M. 1991. Seabird captive breeding and rehabilitation program.
- . 1992. Seabirds: management problems and research opportunities. Pages 547-562 in D.R. McCullough and R.H. Barrett (editors). *Wildlife 2001: populations*. Elsevier Applied Science, London.
- Furness, R.W. 1978. Energy requirements of seabird communities: a bioenergetics model. *Journal of Animal Ecology* 47:39-53.
- . 1982. Competition between fisheries and seabird communities. *Advances in Marine Biology* 20:225-327.
- . 1984a. Seabird-fisheries relationships in the northeast Atlantic and North Sea. Pages 162-169 in D.N. Nettleship, G.A. Sanger, and P.F. Singer (editors). *Marine birds: their feeding ecology and commercial fisheries relationships*. Special Publication. Canadian Wildlife Service, Minister of Supply and Services, Ottawa.
- . 1984b. Modelling relationships among fisheries, seabirds, and marine mammals. Pages 117-126 in D.N. Nettleship, G.A. Sanger, and P.F. Singer (editors). *Marine birds: their feeding ecology and commercial fisheries relationships*. Special Publication. Canadian Wildlife Service, Minister of Supply and Services, Ottawa.
- . 1989. Declining seabird populations. *Journal of Zoology* (London) 219:177-180.
- . 1990. A preliminary assessment of the quantities of Shetland sandeels taken by seabirds, seals, predatory fish and the industrial fishery in 1981-83. *Ibis* 132:205-217.
- . 1991. The occurrence of burrow nesting among birds and its influence of soil fertility and stability. Pages 53-67 in P.S. Meadows and A. Meadows (editors). *The environmental impact of burrowing animals and animal burrows*. Oxford Zoological Society, London.
- , and T.R. Birkhead. 1984. Seabird colony distribution suggests competition for food supplies during the breeding season. *Nature* 311:655-656.
- , and P. Monaghan. 1987. *Seabird ecology*. Chapman and Hall, New York.

Literature Cited

- , J.J.D. Greenwood, and P.J. Jarvis. 1993. Can birds be used to monitor the environment? Pages 1-41 in R.W. Furness and J.J.D. Greenwood (editors). *Birds as monitors of environmental change*. Chapman and Hall, London.
- Gaillard, J.-M., D. Pontier, D. Allaine, D.J. Clobert, and J.-D. Lebreton. 1989. An analysis of demographic tactics in birds and mammals. *Oikos* 56:59-76.
- Gandini, P., P.D. Boersma, E. Frere, M. Gandini, T. Holik, and V. Lichtschein. 1994. Magellanic penguins (*Spheniscus magellanicus*) affected by chronic petroleum pollution along the coast of Chubut, Argentina. *Auk* 111:20-27.
- Gaston, A.J. 1992. *The ancient murrelet: a natural history in the Queen Charlotte Islands*. T. and A.D. Poyser, London.
- , and G. Donaldson. 1995. Peat deposits and thick-billed murre colonies in Hudson Strait and northern Hudson Bay: clues to post-glacial colonization of the area by seabirds. *Arctic* 48:354-358.
- , and R.D. Elliot (editors). 1991. *Studies of high-latitude seabirds. 2. Conservation biology of thick-billed murre in the northwest Atlantic*. Occasional Paper 69. Canadian Wildlife Service, Ottawa.
- , and D.N. Nettleship. 1981. *The thick-billed murre of Prince Leopold Island*. Monograph Number 6. Canadian Wildlife Service.
- , G. Chapdelaine, and D.G. Noble. 1983. The growth of thick-billed murre chicks at colonies in Hudson Strait: inter- and intra-colony variation. *Canadian Journal of Zoology* 61:2465-2475.
- , D.K. Cairns, R.D. Elliot, and D.G. Noble. 1985. *A natural history of Digges Sound*. Report Series Number 46. Canadian Wildlife Service.
- , L.N. de Forest, D.G. Noble, and G. Donaldson. 1994. Population parameters of the thick-billed murre at Coats Island, Northwest Territories, Canada. *Condor* 96:935-948.
- Gerrodette, T. 1987. A power analysis for detecting trends. *Ecology* 68:1364-1372.
- Gilpin, M.E., and M.E. Soulé. 1986. Minimum viable populations: processes of species extinction. Pages 19-34 in M.R. Soulé (editor). *Conservation biology: the science of scarcity and diversity*. Sinauer, Sunderland, Massachusetts.
- Gould, P.J., D.J. Forsell, and C.J. Lensink. 1982. Pelagic distribution and abundance of seabirds in the Gulf of Alaska and eastern Bering Sea. Page 294. OBS 82/83. U.S. Department of Interior, Fish and Wildlife Service, Biological Services Program.
- Grant, P.R., and D.N. Nettleship. 1971. Nesting habitat selection by puffins *Fratercula arctica* in Iceland. *Ornis Scandinavica* 2:81-87.

Literature Cited

- Grenier, J.J., and S.K. Nelson. 1995. Marbled murrelet habitat associations in Oregon. Pages 191-204 in C.J. Ralph, J.G.L. Hunt, M.G. Raphael, and J.F. Piatt (editors). *Ecology and conservation of the marbled murrelet*. General Technical Report PSW-GTR-152. Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture, Albany, California.
- Grinnell, J., and A.H. Miller. 1944. *The distribution of the birds of California*. Pacific Coast Avifauna Number 27. Cooper Ornithological Society, Berkeley.
- Gunther, M. 1991. The status of alcids in North American zoological institutions. *AAZPA annual conference proceedings*. San Diego, California.
- Hall, C.S. 1995. Season report for Jenny Island. Unpublished report. National Audubon Society, Ithaca, New York.
- Halley, D.J., and M.P. Harris. 1993. Intercolony movement and behavior of immature guillemots *Uria aalge*. *Ibis* 135:264-270.
- , ———, and S. Wanless. 1995. Colony attendance patterns and recruitment in immature common murrets (*Uria aalge*). *Auk* 112:947-957.
- Hamer, K.C., R.W. Furness, and R.W.G. Caldow. 1991. The effects of changes in food availability on the breeding ecology of great skuas in Shetland. *Journal of Zoology* (London) 223:175-188.
- Hamer, T.E. 1995. Inland habitat associations of marbled murrelets in western Washington. Pages 163-176 in C.J. Ralph, J.G.L. Hunt, M.G. Raphael, and J.F. Piatt (editors). *Ecology and conservation of the marbled murrelet*. General Technical Report PSW-GTR-152. Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture, Albany, California.
- , and S.K. Nelson. 1995. Characteristics of marbled murrelet nest trees and nesting stands. Pages 69-82 in C.J. Ralph, J.G.L. Hunt, M.G. Raphael, and J.F. Piatt (editors). *Ecology and conservation of the marbled murrelet*. General Technical Report PSW-GTR-152. Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture, Albany, California.
- Hansen, M.M., and V. Loeschcke. 1994. Effects of releasing hatchery-reared brown trout to wild trout populations. Pages 273-290 in V. Loeschcke, J. Tomiuk, and S.K. Jain (editors). *Conservation genetics*. Birkhäuser, Boston.
- Harlow, R.A. Jr. 1995. Ram Island: recovery in progress. *Bird Observer* 2:333-338.
- Harper, P.C. 1986. Biology of Buller's shearwater *Puffinus bulleri* at the Poor Knights Islands, New Zealand. Page 243 In A.E. Wright and R.E. Beever (editors). *The offshore islands of*

Literature Cited

- northern New Zealand*. Information Series Number 16. New Zealand Department of Lands and Survey.
- Harris, M.P. 1983. Biology and survival of the immature puffin *Fratercula arctica*. *Ibis* 125:56-73.
- . 1984. *The puffin*. T. and A.D. Poyser, London.
- . 1991. Population changes in British common murre and Atlantic puffins, 1969-88. Pages 52-58 in A.J. Gaston and R.D. Elliot (editors). *Studies of high-latitude seabirds. 2. Conservation biology of thick-billed murre in the northwest Atlantic*. Occasional Paper 69, Canadian Wildlife Service, Ottawa.
- , and J.R.G. Hislop. 1978. The food of young puffins *Fratercula arctica*. *Journal of Zoology* (London) 85:213-236.
- , and S. Wanless. 1988. The breeding biology of guillemots *Uria aalge* on the Isle of May over a six-year period. *Ibis* 130:172-192.
- , and ———. 1991. Population studies and conservation of puffins *Fratercula arctica*. Pages 230-248 in C.M. Perrins, J.-D. Lebreton, and G.J.M. Hirons (editors). *Bird population studies*. Oxford University Press, Oxford.
- , and ———. 1996. Differential responses of guillemot *Uria aalge* and shag *Phalacrocorax aristotelis* to a late winter wreck. *Bird Study* 43:220-230.
- , ———, and P. Rothery. 1985. Review of British and Irish guillemot monitoring studies. Pages 21-22 in M.L. Tasker (editor). *Population and monitoring seabirds: proceedings of the 2nd international conference of the Seabird Group*.
- Harrison, C.S. 1982. Spring distribution of marine birds in the Gulf of Alaska. *Condor* 84:245-254.
- . 1990. *Seabirds of Hawaii*. Cornell University Press, Ithaca, New York.
- Harrison, M. 1992. *Changes in the grey-faced petrel population on Motuhoura (Whale Island) 1982-1991*. Science and Research Series Number 48. New Zealand Department of Conservation, Wellington.
- Harrison, P. 1983. *Seabirds: an identification guide*. Houghton Mifflin, Boston.
- Hatch, S.A., and M.A. Hatch. 1989. Attendance patterns of common and thick-billed murre at breeding sites: implications for monitoring. *Journal of Wildlife Management* 53:483-493.
- , G.V. Byrd, D.B. Irons, and J.G.L. Hunt. 1993. Status and ecology of kittiwakes (*Rissa tridactyla* and *R. brevirostris*) in the north Pacific. Pages 140-153 in K. Vermeer, K.T.

Literature Cited

- Briggs, K.H. Morgan, and D. Siegel-Causey (editors). *The status, ecology and conservation of marine birds of the north Pacific*. Special Publication. Canadian Wildlife Service, Ottawa.
- , G.W. Kaiser, A.Y. Kondratyev, and G.V. Byrd. 1994. A seabird monitoring program for the north Pacific. *Transactions of the North American Wildlife and Natural Resources Conference* 59:121-131.
- Hatchwell, B.J., and T.R. Birkhead. 1991. Population dynamics of common guillemots *Uria aalge* on Skomer Island, Wales. *Ornis Scandinavica* 22:55-59.
- Hayes, D.L. 1995. Recovery monitoring of pigeon guillemot populations in Prince William Sound, Alaska. *Exxon Valdez Oil Spill Restoration Project Final Report, Project 94173*. U.S. Department of Interior, Fish and Wildlife Service, Anchorage, Alaska.
- . 1996. A comparison of the breeding and feeding ecology of pigeon guillemots at Naked and Jackpot islands in Prince William Sound, Alaska. Appendix F in D.C. Duffy, compiler. *APEX: Alaska Predator Ecosystem Experiment. Exxon Valdez Oil Spill Restoration Project Annual Report, Project 95163*. U.S. Department of Interior, Fish and Wildlife Service, Anchorage, Alaska.
- , and K.J. Kuletz. 1996. Decline in pigeon guillemot populations in Prince William Sound, Alaska, and apparent changes in distribution and abundance of their prey. *In The role of forage fishes in marine ecosystems*. Alaska Sea Grant Publication. Symposia Proceedings, Anchorage, Alaska.
- Hedgren, S. 1980. Reproductive success of guillemots *Uria aalge* on the island of Stora Karlsö. *Ornis Fennica* 57:49-57.
- Hester, M.M., and W.J. Sydeman. 1995. *Habitat restoration and protection of rhinoceros auklets on Año Nuevo Island, California: year 2*. Final Report to California Department of Parks and Recreation.
- Hilden, O. 1994. Diurnal rhythm of colony attendance and optimal census time for the black guillemot *Cepphus grylle*. *Ornis Fennica* 71:61-67.
- Hill, D.K. 1995. Pacific warming unsettles ecosystems. *Science* 267:1911-1912.
- Hoffman, W., D. Heinemann, and J.A. Wiens. 1981. The ecology of seabird feeding flocks in Alaska. *Auk* 98:437-456.
- Hogan, M.E., and D.B. Irons. 1988. Waterbirds and marine mammals. Pages 225-242 in D.G. Shaw and J. Hameedi (editors). *Environmental studies in Port Valdez, Alaska*. Springer-Verlag, New York.
- Hollowed, A.B., and W.S. Wooster. 1995. Decadal-scale variations in the eastern subarctic Pacific. Pages 373-385 in R.J. Beamish (editor). *Climate change and northern fish populations*. Special Publication 121. *Canadian Journal of Fisheries and Aquatic Sciences*.

Literature Cited

- Hudson, P.J. 1985. Population parameters for the Atlantic Alcidae. Pages 233-261 in D.N. Nettleship and T.R. Birkhead (editors). *The Atlantic Alcidae*. Academic Press, New York.
- Hunt, G.L., Jr., and D.C. Schneider. 1987. Scale-dependent processes in the physical and biological environment of marine birds. Pages 7-42 in J.P. Croxall (editor). *Seabirds: feeding ecology and role in marine systems*. Cambridge University Press, Cambridge, England.
- , Z.A. Eppley, and D.C. Schneider. 1986. Reproductive performance of seabirds: the importance of population and colony size. *Auk* 103:306-317.
- , J.R. Hunt, R. Pitan, and H.L. Jones. 1980. Distribution and abundance of seabirds breeding on the California Channel Islands. Pages 443-459 in D.M. Power (editor). *The California islands*. Santa Barbara Museum of Natural History, Santa Barbara, California.
- Hutchinson, G. 1950. Survey of existing knowledge of biogeochemistry. 3. The biogeochemistry of vertebrate excretion. *American Museum of Natural History Bulletin* 96:1-554.
- Irons, D.B. 1992. *Aspects of foraging behavior and reproductive biology of the black-legged kittiwake*. Doctor of Philosophy Dissertation. University of California, Irvine.
- . 1996. Size and productivity of black-legged kittiwake colonies in Prince William Sound before and after the *Exxon Valdez* oil spill. Pages 738-747 in S.D. Rice, R.B. Spies, D.A. Wolfe, and B.A. Wright (editors). *Proceedings of the Exxon Valdez oil spill symposium*. American Fisheries Society Symposium. 18.
- Isleib, M.E., and B. Kessel. 1973. *Birds of the north Gulf Coast: Prince William Sound region, Alaska*. Biological Papers of University of Alaska, Number 14. University of Alaska Press, Fairbanks.
- Jodice, P.G.R. 1992. Surveying wintering loons from the air. *Endangered Species Update* 9:9.
- Jones, L.L., and A.R. DeGange. 1988. Interactions between seabirds and fisheries in the north Pacific Ocean. Pages 269-291 in J. Burger (editor). *Seabirds and other marine vertebrates: competition, predation, and other interactions*. Columbia University Press, New York.
- Kaiser, G.W., and L.S. Forbes. 1992. Climatic and oceanographic influences on island use in four burrow-nesting alcids. *Ornis Scandinavica* 23:1-6.
- Kharitonov, S.P., and D. Siegel-Causey. 1988. Colony formation in seabirds. *Current Ornithology* 5:223-272.
- King, J.G., and G.A. Sanger. 1979. Oil vulnerability index for marine oriented birds. Pages 227-239 in J.C. Bartonek and D.N. Nettleship (editors). *Conservation of marine birds of northern North America*. Report Number 11. U.S. Fish and Wildlife Service.
- King, W.B. 1984. Incidental mortality of seabirds in gillnets in the north Pacific. Pages 709-721 in J.P. Croxall, P.G.H. Evans, and R.W. Schreiber (editors). *Status and conservation of the*

Literature Cited

- world's seabirds*. Technical Publication Number 2. International Council for Bird Preservation, Cambridge, England.
- Kirkham, I.R., and W.A. Montevecchi. 1982. The breeding birds of Funk Island, Newfoundland, Canada: an historical perspective. *American Birds* 36:111-118.
- Klomp, N.I., and R.W. Furness. 1991. Recruitment in long-lived birds: studies of non-breeding great skuas. *ACTA XX Congressus Internationales Ornithologici* 3:1678-1688.
- Klosiewski, S.P., and K.K. Laing. 1994. Marine bird populations of Prince William Sound, Alaska, before and after the *Exxon Valdez* oil spill, Bird Study Number 2. Page 89. Unpublished report. U.S. Fish and Wildlife Service, Anchorage, Alaska.
- Kocher, T.D., W.K. Thomas, A. Meyer, S.V. Edwards, S. Paablo, F.X. Villablanca, and A.C. Wilson. 1989. Dynamics of mitochondrial DNA evolution in animals: amplification and sequencing with conserved primers. *Proceedings of the National Academy of Sciences USA* 86:6196-6200.
- Kotliar, N.B., and J. Burger. 1984. The use of decoys to attract least terns (*Sterna antillarum*) to abandoned colony sites in New Jersey. *Colonial Waterbirds* 7:134-138.
- Krasnow, L.D., and G.A. Sanger. 1986. Feeding ecology of marine birds in the nearshore waters of Kodiak Island. Pages 505-630 in U.S. Department of Commerce, National Oceanic and Atmospheric Administration. *Environmental Assessment of the Alaska Continental Shelf. Final Report of Principal Investigators*. Volume 45.
- Kress, S.W. 1978. Establishing Atlantic puffins at a former breeding site. Pages 373-377 in S.A. Temple (editor). *Endangered birds: management techniques for preserving threatened species*. University of Wisconsin Press, Madison.
- . 1982. The return of the Atlantic puffin to Eastern Egg Rock, Maine. *Living Bird Quarterly* 1:11-14.
- . 1983. The use of decoys, sound recordings, and gull control for re-establishing a tern colony in Maine. *Colonial Waterbirds* 6:185-196.
- , and H.R. Carter. 1991. *Recolonization of common murrelets to abandoned nesting islands on the central California coast*. National Audubon Society.
- , and D.N. Nettleship. 1988. Re-establishment of Atlantic puffins (*Fratercula arctica*) at a former breeding site in the Gulf of Maine. *Journal of Field Ornithology* 59:161-170.
- Kuletz, K.J. 1996. Marbled murrelet abundance and breeding activity at Naked Island, Prince William Sound, and Kachemak Bay, Alaska, before and after the *Exxon Valdez* oil spill. Pages 770-784 in S.D. Rice, R.B. Spies, D.A. Wolfe, and B.A. Wright (editors). *Proceedings of the Exxon Valdez oil spill symposium*. American Fisheries Society Symposium. 18.

Literature Cited

- , S. Kendall, and D. Flint. 1996a. A productivity index for marbled murrelets in Prince William Sound, Alaska. *Exxon Valdez Oil Spill Restoration Project Draft Final Report, Project 95031*. U.S. Department of Interior, Fish and Wildlife Service, Anchorage, Alaska.
- , D.K. Marks, N.L. Naslund, and M.B. Cody. 1995a. Marbled murrelet activity in four forest types at Naked Island, Prince William Sound, Alaska. Pages 4-11 in S.K. Nelson and S.G. Sealy (editors). *Biology of marbled murrelets: inland and at sea*. *Northwestern Naturalist* 76.
- , D. Irons, J.F. Piatt, B. Agler, and D.C. Cody. 1996b. Long-term changes in populations and diets of piscivorous birds and mammals in Prince William Sound, Alaska, reflect a possible shift in prey species abundance. In *The role of forage fishes in marine ecosystems*. Alaska Sea Grant Publication. Symposia Proceedings, Anchorage, Alaska.
- , D.K. Marks, R. Burns, L. Prestash, and D. Flint. 1995b. Marbled murrelet foraging patterns and a pilot productivity index for murrelets in Prince William Sound, Alaska. *Exxon Valdez Oil Spill Restoration Project Final Report, Project 94102*. U.S. Department of Interior, Fish and Wildlife Service, Anchorage, Alaska.
- , ———, N.L. Naslund, N.J. Goodson, and M.B. Cody. 1995c. Inland habitat suitability for marbled murrelets in southcentral Alaska. Pages 141-150 in C.J. Ralph, J.G.L. Hunt, M.G. Raphael, and J.F. Piatt (editors). *Ecology and conservation of the marbled murrelet. General Technical Report PSW-GRT-152*. Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture, Albany, California.
- Lack, D. 1966. *Population studies of birds*. Oxford University Press, Oxford.
- . 1967. Interrelationships in breeding adaptations as shown by marine birds. *Proceedings of the International Ornithological Congress* 14:3-42.
- . 1968. *The ecological adaptations for breeding in birds*. Methuen and Co., London.
- Laevastu, T. 1984. The effects of temperature anomalies on the fluctuation of fish stocks. *Conseil International pour l'Exploration de la Mer* 185:214-225.
- Lanctot, R.B., and P.X. Quang. 1994. Population density estimates for common loons in Alaska: aerial line transect and Petersen methods. *Condor* 94:282-286.
- Lande, R. 1993. Risks of population extinction from demographic and environmental stochasticity and random catastrophes. *American Naturalist* 142:911-927.
- Lessa, E.P., and G. Applebaum. 1993. Screening techniques for detecting allelic variation in DNA sequences. *Molecular Ecology* 2:121-129.
- Levins, R. 1969. Some demographic and genetic consequences of environmental heterogeneity for biological control. *Bulletin of the Entomological Society of America* 15:237-240.

Literature Cited

Lloyd, C.S. 1984. A method for assessing the relative importance of seabird colonies. *Biological Conservation*. 28:155-172.

Lockley, R.M. 1953. *Puffins*. J.M. Dent and Sons Ltd., London.

Longhurst, A.M., Colebrook, J. Gulland, R.L. Brasseur, C. Lorenzen, and P. Smith. 1972. The instability of ocean populations. *New Scientist* June 1972:2-4.

Loon Preservation Committee. 1990. *Turningpoint: the 15-year report, 1976-1990*. Loon Preservation Committee, Meredith, New Hampshire.

———. 1995. Fall newsletter. Page 16. Loon Preservation Committee. Moultonborough. New Hampshire.

MacCall, A.D. 1984. Seabird-fishery trophic interactions in eastern Pacific boundary currents: California and Peru. Pages 136-149 in D.N. Nettleship, G.A. Sanger, and P.F. Singer (editors). *Marine birds: their feeding ecology and commercial fisheries relationships*. Special Publication. Canadian Wildlife Service, Minister of Supply and Services, Ottawa.

Manuwal, D.A. 1974a. Effects of territoriality on breeding in a population of Cassin's auklets. *Ecology* 55:1399-1406.

———. 1974b. The natural history of Cassin's auklet. *Condor* 76:421-431.

———. 1978. Effect of man on marine birds: a review. Pages 140-160 in *Proceedings of the 4th J.S. Wright forestry conference*. Lafayette, Indiana.

Marks, D.K., and N.L. Naslund. 1994. Sharp-shinned hawk preys on a marbled murrelet nesting in old-growth forest. *Wilson Bulletin* 106:565-567.

———, K.J. Kuletz, and N.L. Naslund. 1995. Boat-based survey methods and marbled murrelet habitat use in Prince William Sound, Alaska. Pages 63-72 in S.K. Nelson and S.G. Sealy (editors). *Biology of marbled murrelets: inland and at sea*. *Northwestern Naturalist* 76.

Marzluff, J.M., M.F. Raphael, and S.P. Courtney. 1995. Assessing the risk of marbled murrelets to nest predation. *Colonial Waterbird Society Bulletin* 19:54.

Mathiasson, S. 1980. Sandwich tern (*Sterna sandvicensis*) in a changing bird community and the need for alternative breeding sites. *Acta Ornithologica* 17:87-105.

Matteson, S. 1986. To everything, tern, tern, tern. *Newsletter of the Wisconsin Bureau of Endangered Resources* 1:1.

May, R.M. 1984. *Exploitation of marine communities*. Springer-Verlag, Berlin.

McGowan, J. 1990. Climate and change in oceanic ecosystems: the value of time-series data. *TREE* 5:293-299.

Literature Cited

- McIntyre, J.W. 1988. *The common loon: spirit of northern lakes*. University of Minnesota Press, Minneapolis.
- . 1992. Status and summer distribution of Alaskan yellow-billed loons following the Valdez oil spill. Pages 142-151 in J. White (editor). *Proceedings: the effects of oil on wildlife*. Sheridan Press, Hanover, Pennsylvania.
- Melvin, E., and L. Conquest. 1996. Reduction of seabird bycatch in salmon drift gillnet fisheries: 1995 sockeye/pink salmon fishery final report. Project Number A/FP-2(a). Washington Sea Grant Program.
- Mendenhall, V.M. 1992. Distribution, breeding records and conservation problems of the marbled murrelet in Alaska. Pages 5-16 in H.R. Carter and M.L. Morrison (editors). *Status and conservation of the marbled murrelet in North America*. Proceedings of the Western Society of Vertebrate Zoology 5.
- M'Gonigle, R.M., and M.W. Zacher. 1979. *Pollution, politics, and international law: tankers at sea*. University of California Press, Berkeley.
- Migot, P. 1992. Demographic changes in French herring gull *Larus argentatus* populations: a modelling approach and hypotheses concerning the regulation of numbers. *Ardea* 80:161-169.
- Miller, S.L., and C.J. Ralph. 1995. Relationship of marbled murrelets with habitat characteristics at inland sites in California. Pages 205-218 in C.J. Ralph, J.G.L. Hunt, M.G. Raphael, and J.F. Piatt (editors). *Ecology and conservation of the marbled murrelet*. General Technical Report PSW-GTR-152. Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture, Albany, California.
- Monaghan, P., J.D. Uttley, and J.D. Okill. 1989a. Terns and sandeels: seabirds as indicators of changes in marine fish populations. *Journal of Fish Biology* 35(Supplement A):339-340.
- , ———, M. Burns, C. Thane, and J. Blackwood. 1989b. The relationship between food supply, reproductive effort, and breeding success in Arctic terns *Sterna paradisea*. *Journal of Animal Ecology* 58:261-274.
- Monteiro, L.R., J.A. Ramos, R.W. Furness, and A.J. Nevo. 1996. Movements, morphology, breeding, molt, diet and feeding of seabirds in the Azores. *Colonial Waterbirds* 19:82-97.
- Montevocchi, W.A. 1993. Birds as indicators of change in marine prey stocks. Pages 217-266 in R.W. Furness and J.J.D. Greenwood (editors). *Birds as monitors of environmental change*. Chapman and Hall, London.
- Moors, P.J., and I.A.E. Atkinson. 1984. Predation on seabirds by introduced animals, and factors affecting its severity. Pages 667-690 in J.P. Croxall, P.G.H. Evans, and R.W. Schreiber

Literature Cited

- (editors). *Status and conservation of the world's seabirds*. Technical Publication Number 2. International Council for Bird Preservation, Cambridge, England.
- Murphy, E.C., A.M. Springer, and D.G. Roseneau. 1985. Population status of common guillemots *Uria aalge* at a colony in western Alaska: results and simulations. *Ibis* 128:348-363.
- Murphy, R.C. 1936. *Oceanic birds of South America*. Macmillan, New York.
- . 1981. The guano and anchovetta industry. Pages 81-106 in M.H. Glantz and J.D. Thompson (editors). *Resource management and environmental uncertainty*. Wiley, New York.
- Naslund, N.L., J.F. Piatt, and T. VanPelt. 1994. Breeding behavior and nest site fidelity of Kittlitz's murrelet. *Pacific Seabird Group Bulletin* 21:46.
- , K.J. Kuletz, M. Cody, and D. Marks. 1995. Tree and habitat characteristics and reproductive success at marbled murrelet tree nests in Alaska. In S.K. Nelson and S.G. Sealy (editors). *Biology of marbled murrelets: inland and at sea*. *Northwestern Naturalist* 76:12-28.
- National Research Council. 1992. *Restoration of aquatic ecosystems*. National Academy Press, Washington, D.C.
- Nelson, B. 1968. *Galapagos: islands of birds*. William Morrow and Co., New York.
- . 1979. *Seabirds: their biology and ecology*. A & W Publishers, New York.
- Nelson, S.K., and T.E. Hamer. 1995. Nesting biology and behavior of the marbled murrelet. Pages 57-68 in C.J. Ralph, J.G.L. Hunt, M.G. Raphael, and J.F. Piatt (editors). *Ecology and conservation of the marbled murrelet*. General Technical Report PSW-GTR-152. Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture, Albany, California.
- Nettleship, D.N. 1972. Breeding success of the common puffin (*Fratercula arctica*) on different habitats at Great Island, Newfoundland. *Ecological Monograph* 42:239-268.
- . 1976. *Census techniques for seabirds of Arctic and eastern Canada*. Occasional Paper 25. Canadian Wildlife Service, Ottawa.
- . 1977. Seabird resources of eastern Canada: status, problems and prospects. Pages 96-108 in T. Mospuin and C. Suchal (editors). *Canada's endangered species and habitats*. Special Publication 6. Canadian Nature Federation, Ottawa.
- , and D.C. Duffy (editors). 1995. The double-crested cormorant: biology, conservation and management. *Colonial Waterbirds* 18(Special Publication 1):1-256.

Literature Cited

- , and P.G.H. Evans. 1985. Distribution and status of the Atlantic Alcidae. Pages 53-154 in D.N. Nettleship and T.R. Birkhead (editors). *The Atlantic Alcidae*. Academic Press, New York.
- Nichols, H.A.J. 1977. Captive breeding programs for *Amazona* parrots. Pages 263-271 in S.A. Temple (editor). *Endangered birds: management techniques for preserving threatened species*. University of Wisconsin Press, Madison.
- Nishimoto, M., and B. Rice. 1987. A re-survey of seabirds and marine mammals along the south coast of the Kenai Peninsula, Alaska, during the summer of 1986. Unpublished report. U.S. Fish and Wildlife Service, Homer, Alaska, and National Park Service, Anchorage, Alaska.
- NOAA (National Oceanic and Atmospheric Administration). 1996. *Natural Resource Damage Assessments: Final Rule. 15 CFR Part 990*.
- , Department of Interior, Department of Justice, and Environmental Protection Agency. 1991. *56 Federal Register* 14691.
- Noordhuis, R., and A.L. Spaans. 1992. Interspecific competition for food between herring *Larus argentatus* and lesser black-backed gulls *L. fuscus* in the Dutch Wadden Sea area. *Ardea* 80:115-132.
- Norton, D.A., P.J. deLange, P.J. Garnock-Jones, and D.R. Given. 1997. The role of seabirds and seals in the survival of coastal plants: lessons from New Zealand *Lepidium* (Brassicaceae). *Biodiversity and conservation* 6:765-786.
- Nur, N. 1993. Establishing the demographic parameters of the marbled murrelet. *Final Report to the U.S. Fish and Wildlife Service, Marbled Murrelet Recovery Team*. Point Reyes Bird Observatory, Stinson Beach, California.
- , and D.G. Ainley. 1992. Comprehensive review and critical synthesis of the literature on recovery of marine bird populations from environmental perturbations. *Final Report to Exxon Valdez Restoration and Planning Work Group*. Anchorage, Alaska.
- , R.G. Ford, and D.G. Ainley. 1994. Computer models of Farallon seabird populations. *Final Report to Gulf of the Farallones National Marine Sanctuary*. National Oceanic and Atmospheric Administration, San Francisco, California.
- , W.J. Sydeman, and D.G. Ainley. 1993. Survival and breeding probability of Brandt's cormorants on southeast Farallon Island in relation to age and environmental conditions. 1993 Annual Meeting of the Pacific Seabird Group, Seattle.
- , P. Pyle, L. Stenzel, D.G. Ainley, W.J. Sydeman, and E. McLaren. 1995. The significance of chronic oiling for seabird populations in central California. *Pacific Seabirds* 22:39.

Literature Cited

- Oakley, K.L., and K.J. Kuletz. 1979. Summer distribution and abundance of marine birds and mammals near Naked Island, Alaska, in summer 1978. Unpublished report. U.S. Department of Interior, Fish and Wildlife Service, Anchorage, Alaska.
- , and ———. 1996. Population, reproduction and foraging of pigeon guillemots at Naked Island, Prince William Sound, Alaska, before and after the *Exxon Valdez* oil spill. Pages 759-769 in S.D. Rice, R.B. Spies, D.A. Wolfe, and B.A. Wright (editors). *Proceedings of the Exxon Valdez oil spill symposium*. American Fisheries Society Symposium. 18.
- O'Brien, S.J., and J.F. Evermann. 1988. Interactive influence of infectious disease and genetic diversity in natural populations. *TREE* 3:254-259.
- Olson, S.L., and H.F. James. 1982. Fossil birds from the Hawaiian Islands: evidence for wholesale extinction by man before western contact. *Science* 217:633-635.
- Page, G.W., H.R. Carter, and R.G. Ford. 1990. Numbers of seabirds killed or debilitated in the 1986 *Apex Houston* oil spill in central California. *Studies in Avian Biology* 14:164-174.
- Paine, R., J.T. Wootton, and P.D. Boersma. 1990. Direct and indirect effects of peregrine falcon predation on seabird abundance. *Auk* 107:1-9.
- Palumbi, S.R., and C.S. Baker. 1994. Contrasting population structure from nuclear intron sequences and mtDNA of humpback whales. *Molecular Biology and Evolution* 11:426-435.
- Pamplin, W.L. 1986. Cooperative efforts to halt population declines of geese on Alaska's Yukon-Kuskokwim Delta. *Transactions of the North American Wildlife and Natural Resources Conference* 51:487-506.
- Parrish, J. 1995. The influence of group size and habitat type on reproductive success in common murres (*Uria aalge*). *Auk* 112:390-401.
- . 1996. Continued monitoring of common murres on Tatoosh Island. *Final Report 1995 Submitted to the Tenyo Maru Trustee Committee*.
- , and P.D. Boersma. 1995a. Muddy waters. *American Scientist* 83:112-115.
- , and ———. 1995b. Reply to Piatt. *American Scientist* 83:398-400.
- Parrish, R.H., A. Baken, D.M. Husby, and C.S. Nelson. 1982. Comparative climatology of selected environmental processes in relation to eastern boundary current pelagic fish reproduction. Pages 731-777 in *United Nations Food and Agriculture Organization Fisheries Report 291*.
- Parslow, J.L.F. 1967. Changes in status among breeding birds in Britain and Ireland. *British Birds* 60:177-202.

Literature Cited

- Paton, P.W.C., and C.J. Ralph. 1990. Distribution of the marbled murrelet at inland sites in California. *Northwestern Naturalist* 71:72-84.
- Pennycuik, C.J., J.P. Croxall, and P.A. Prince. 1984. Scaling of foraging radius and growth rates in etrels and albatrosses. *Ornis Scandinavica* 15:145-154.
- Peterson, M.R. 1982. Predation on seabirds by red foxes at Shaiak Island, Alaska. *Canadian Field-Naturalist* 96:41-45.
- Phillips, R.A., R.W.G. Caldow, and R.W. Furness. 1996. The influence of food availability on the breeding effort and reproductive success of Arctic skuas. *Ibis* 138:410-419.
- Piatt, J.F. 1995. Water over the bridge. *American Scientist* 83:396-398.
- , and P. Anderson. 1996. Response of common murres to the *Exxon Valdez* oil spill and long-term changes in the Gulf of Alaska marine ecosystem. Pages 720-737 in S.D. Rice, R.B. Spies, D.A. Wolfe, and B.A. Wright (editors). *Proceedings of the Exxon Valdez oil spill symposium*. American Fisheries Society Symposium. 18.
- , and R.G. Ford. 1993. Distribution and abundance of marbled murrelets in Alaska. *Condor* 95:662-669.
- , and ———. 1996. How many seabirds were killed by the *Exxon Valdez* oil spill? Pages 712-719 in S.D. Rice, R.B. Spies, D.A. Wolfe, and B.A. Wright (editors). *Proceedings of the Exxon Valdez oil spill symposium*. American Fisheries Society Symposium. 18.
- , and N.L. Naslund. 1995. Abundance, distribution and population status of marbled murrelets in Alaska. Pages 285-294 in C.J. Ralph, J.G.L. Hunt, M.G. Raphael, and J.F. Piatt (editors). *Ecology and conservation of the marbled murrelet*. General Technical Report PSW-GTR-152. Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture, Albany, California.
- , and D.N. Nettleship. 1985. Diving depths of four alcids. *Auk* 102:293-297.
- , and T.I. van Pelt. 1993. A wreck of common murres (*Uria aalge*) in the northern Gulf of Alaska during February and March of 1993. Unpublished report. U.S. Fish and Wildlife Service, Anchorage, Alaska.
- , C.J. Lensink, W. Butler, M. Kendziorek, and D.R. Nysewander. 1990. Immediate impact of the *Exxon Valdez* oil spill on marine birds. *Auk* 107:387-397.
- Pinto, J.M., W.H. Pearson, and J.W. Anderson. 1984. Sediment preferences and oil contamination in the Pacific sand lance *Ammodytes hexapterus*. *Marine Biology* 83:193-204.
- Podolsky, R.H. 1990. Effectiveness of social stimuli in attracting Laysan albatross to new potential nesting sites. *Auk* 107:119-124.

Literature Cited

- , and S.W. Kress. 1989a. Attraction and colonization of dark-rumped petrels (*Pterodroma p. phaeopygia*) to Santa Cruz Island, Galapagos. *Annual Report*. National Audubon Society, Ithaca, New York.
- , and ———. 1989b. Factors affecting colony formation in Leach's storm-petrel. *Auk* 106:332-336.
- Polis, G.A., and S.T. Hurd. 1996. Linking marine and terrestrial food webs: allochthonous input from ocean supports high secondary productivity on small islands and coastal land communities. *American Naturalist* 147:396-423.
- Polovina, J.J., G.T. Mitchum, N.E. Graham, M.P. Craig, E.E. Demartini, and E.N. Flint. 1994. Physical and biological consequences of a climate event in the central north Pacific. *Fisheries Oceanography* 3:15-21.
- Porter, J.M., and J.C. Coulson. 1987. Long-term changes in recruitment to the breeding group, and quality of recruits at a kittiwake *Rissa tridactyla* colony. *Journal of Animal Ecology* 56:675-689.
- Potts, G.R., J.C. Coulson, and I.R. Deans. 1980. Population dynamics and breeding success of the shag *Phalacrocorax aristotelis*, on the Farne Islands, Northumberland. *Journal of Animal Ecology* 49:465-484.
- Pöysä, H. 1986. Foraging niche shifts in multispecies dabbling ducks (*Anas* spp.) feeding groups: harmful and beneficial interactions between species. *Ornis Scandinavica* 17:333-346.
- Priddle, D., and N. Carlile. 1995. An artificial nest box for burrow-nesting seabirds. *Emu* 95:290-294.
- Pulliam, H.R. 1988. Sources, sinks, and population regulation. *American Naturalist* 132:652-661.
- . 1994. Sources and sinks. Pages 46-69 In O.E. Rhodes, R.K. Chesser, and M.H. Smith (editors). *Population dynamics in ecological space and time*. University of Chicago Press, Chicago, Illinois.
- , and J.B. Dunning. 1994. Demographic processes. Pages 179-205 in G.K. Meffe and C.R. Carroll (editors). *Principles of conservation biology*. Sinauer, Sunderland, Massachusetts.
- Quinlan, S.E., and J.H. Hughes. 1990. Location and description of a marbled murrelet tree nest site in Alaska. *Condor* 92:1068-1073.
- Quinn, T.W. 1992. The genetic legacy of other goose: phylogenetic patterns of lesser snow goose *Chen caerulescens* maternal lineages. *Molecular Ecology* 1:105-117.

Literature Cited

- Ralph, C.J., and L.L. Long. 1995. Productivity of marbled murrelets in California from observations of young at sea. Pages 371-380 in C.J. Ralph, J.G.L. Hunt, M.G. Raphael, and J.F. Piatt (editors). *Ecology and conservation of the marbled murrelet*. General Technical Report PSW-GTR-152. Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture, Albany, California.
- , J.G.L. Hunt, M.G. Raphael, and J.F. Piatt. 1995. Ecology and conservation of the marbled murrelet in North America: an overview. Pages 3-22 in C.J. Ralph, J.G.L. Hunt, M.G. Raphael, and J.F. Piatt (editors). *Ecology and conservation of the marbled murrelet*. General Technical Report. PSW-GTR-152. Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture, Albany, California.
- Raphael, M.G., J.A. Young, and B.M. Galleher. 1995. A landscape-level analysis of marbled murrelet habitat in western Washington. Pages 177-190 in C.J. Ralph, J.G.L. Hunt, M.G. Raphael, and J.F. Piatt (editors). *Ecology and conservation of the marbled murrelet*. General Technical Report PSW-GTR-152. Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture, Albany, California.
- Ratcliffe, D. 1980. *The peregrine falcon*. Buteo Books, Vermillion, South Dakota.
- Raveling, D.G. 1984. Geese and hunters of Alaska's Yukon Delta: management problems and political dilemmas. *Transactions of the North American Wildlife and Natural Resources Conference* 49:555-575.
- Reed, J.M., and A.P. Dobson. 1993. Behavioral constraints and conservation biology: conspecific attraction and recruitment. *TREE* 8:253-256.
- Rice, D.W., and K.W. Kenyon. 1962. Breeding distribution, history, and populations of north Pacific albatrosses. *Auk* 79:365-386.
- Richdale, L.E. 1957. *A population study of penguins*. Clarendon Press, Oxford.
- Rigney, M., and L. Emery. 1980. California least terns breeding survey, San Francisco Bay National Wildlife Refuge, 1980. Unpublished progress report. U.S. Fish and Wildlife Service, San Francisco, California.
- Ritchie, W., and M. O'Sullivan. 1994. *The environmental impact of the wreck of the Braer*. Ecological Steering Group on the Oil Spill in Shetland, Scottish Office, Edinburgh.
- Robards, M.D., J.F. Piatt, and K.D. Wohl. 1995. Increasing frequency of plastic particles ingested by seabirds in the subarctic north Pacific. *Marine Pollution Bulletin* 30:151-157.
- Robinson, J.G. 1988. Demography and group structure in wedge-capped capuchin monkeys *Cebus olivaceus*. *Behaviour* 104:202-231.

Literature Cited

- Rockwell, R.F., and G.F. Barrowclough. 1987. Gene flow and the genetic structure of populations. Pages 223-256 in F. Cooke and P.A. Buckley (editors). *Avian genetics*. Academic Press, London.
- Roemmich, D., and J. McGowan. 1995. Climatic warming and the decline of zooplankton in the California Current. *Science* 267:1324-1326.
- Rounsevell, D.E., and G.R. Copson. 1982. Growth rate and recovery of a king penguin, *Aptenodytes patagonicus*, population after exploitation. *Australian Wildlife Research* 9:519-525.
- RPI (Research Planning Institute, Inc.). 1983. *Sensitivity of coastal environments and wildlife to spilled oil, Prince William Sound, Alaska: an atlas of coastal resources*. Prepared for National Oceanic and Atmospheric Administration, Office of Oceanography and Marine Service, Seattle.
- Ryan, P.G. 1988. Intraspecific variation in plastic ingestion by seabirds and the flux of plastic through seabird populations. *Condor* 90:446-452.
- Salomonsen, F. 1979. Marine birds in the Danish monarchy. Pages 267-287 in J.C. Bartonek and D.N. Nettleship (editors). *Conservation of marine birds of northern North America*. Report Number 11. U.S. Fish and Wildlife Service.
- Sanger, G. 1987. Winter diets of common murres and marbled murrelets in Kachemak Bay, Alaska. *Condor* 89:426-430.
- , and M.B. Cody. 1994. Survey of pigeon guillemot colonies in Prince William Sound, Alaska. *Exxon Valdez Oil Spill Restoration Project Final Report, Project 93034*. U.S. Department of Interior, Fish and Wildlife Service, Anchorage, Alaska.
- Schneider, D.C. 1994. *Quantitative ecology: spatial and temporal scaling*. Academic Press, New York.
- , D.C. Duffy, A.D. MacCall, and D.W. Anderson. 1992. Seabird-fisheries interactions: evaluation with dimensionless ratios. Pages 602-615 in D.R. McCullough and R.H. Barrett (editors). *Wildlife 2001: populations*. Elsevier Applied Science, London.
- Schreiber, E.A., and R.W. Schreiber. 1989. Insights into seabird ecology from a global "natural experiment." *National Geographic Research* 5:64-81.
- Sealy, S.G. 1975. Feeding ecology of the ancient and marbled murrelets near Langara Island, British Columbia. *Canadian Journal of Zoology* 53:418-433.
- Serventy, D.L. 1967. Aspects of the population ecology of the short-tailed shearwater (*Puffinus tenuirostris*). *Proceedings of the International Ornithological Congress* 14:165-190.
- Shaffer, M. 1981. Minimum population sizes for species conservation. *Bioscience* 31:131-134.

Literature Cited

- Sharp, B.E. 1996. Post-release survival of oiled, cleaned seabirds in North America. *Ibis* 138:222-228.
- Shaughnessy, P.D. 1984. Historical population levels of seals and seabirds on islands off southern Africa, with special reference to Seal Island, False Bay. *South African Sea Fish Institute Investigative Report* 127:1-61.
- Sherman, K., and L.M. Alexander. 1985. *Variability and management of large marine ecosystems*. Selected Symposia Series. American Association for the Advancement of Science, Washington, D.C.
- , ———, and B.D. Gold. 1990. *Large marine ecosystems: patterns, processes and yields*. Selected Symposia Series. American Association for the Advancement of Science, Washington, D.C.
- , ———, and ———. 1993. *Large marine ecosystems: stress, mitigation and sustainability*. American Association for the Advancement of Science, Washington, D.C.
- Simberloff, D. 1990. Reconstructing the ambiguous: can island ecosystems be restored? Pages 37-51 in D.R. Towns, C.H. Daugherty, and I.A.E. Atkinson (editors). *Ecological restoration of New Zealand islands*. Conservation Sciences Publication Number 2. New Zealand Department of Conservation, Wellington.
- Singer, S.W., N.L. Naslund, S.A. Singer, and C.J. Ralph. 1991. Discovery and observations of two tree nests of the marbled murrelet. *Condor* 93:330-339.
- Skepkovych, B.O. 1986. *A predatory behavior and impact of red foxes (Vulpes vulpes) on the seabird colonies of Baccalieu Island, Newfoundland*. Master of Science Thesis. Memorial University of Newfoundland, St. John's.
- Slater, L., G.V. Byrd, J.W. Nelson, and J. Ingram. 1995. Monitoring populations and productivity of seabirds at colonies in lower Cook Inlet, Alaska, in 1993 and 1994. Page 48. Unpublished report. U.S. Fish and Wildlife Service, Homer, Alaska.
- Soulé, M.E. 1990. The onslaught of alien species, and other challenges in the coming decades. *Conservation Biology* 4:233-239.
- Sowls, A.L., S.A. Hatch, and C.J. Lensink. 1978. *Catalog of Alaskan seabird colonies*. FWS/OBS-78/78. U.S. Department of Interior, Fish and Wildlife Service, Biological Services Program.
- Spear, L.B. 1993. Dynamics and effect of western gulls feeding in a colony of guillemots and Brandt's cormorants. *Journal of Animal Ecology* 62:399-414.
- , W.J. Sydeman, and P. Pyle. 1995a. Factors affecting recruitment age and recruitment probability in western gulls *Larus occidentalis*. *Ibis* 137:352-359.

Literature Cited

- , D.G. Ainley, N. Nur, and S.N.G. Howell. 1995b. Population size and factors affecting at-sea distributions of four endangered procellariids in the tropical Pacific. *Condor* 97:613-638.
- , T.M. Penniman, J.F. Penniman, H.F. Carter, and D.G. Ainley. 1987. Survivorship and mortality factors in a population of western gulls. *Studies in Avian Biology* 10:44-56.
- Spendelow, J.A., J.D. Nichols, I.C.T. Nisbet, H. Hays, G.D. Cormons, J. Burger, C. Safina, J.E. Hines, and M. Gochfeld. 1995. Estimating annual survival and movement rates of adults within a metapopulation of roseate terns. *Ecology* 76:2415-2428.
- Springer, A.M. 1992. A review: walleye pollock in the north Pacific—how much difference do they really make? *Fisheries Oceanography* 1:80-96.
- , and D.G. Roseneau. 1985. Copepod-based food webs: auklets and oceanography in the Bering Sea. *Marine Ecology Progress Series* 21:229-237.
- , ———, D.S. Lloyd, C.P. McRoy, and E.C. Murphy. 1986. Seabird responses to fluctuating prey availability in the eastern Bering Sea. *Marine Ecology Progress Series* 32:1-12.
- Stein, J.L., and G.S. Miller. 1992. Endangered and threatened wildlife and plants: determination of threatened status for the Washington, Oregon, and California population of the marbled murrelet. *Federal Register* 57:45328-45337.
- Stempniewicz, L. 1990. Biomass of dovekie excreta in the vicinity of a breeding colony. *Colonial Waterbirds* 13:62-66.
- Storer, R.W. 1952. A comparison of variation, behavior, and evolution in the seabird genera *Uria* and *Cepphus*. *University of California Publications in Zoology* 52:121-222.
- Stowe, T.J. 1982. An oil spillage at a guillemot colony. *Marine Pollution Bulletin* 13:237-239.
- Strong, C.S., B.S. Keitt, W.R. McIver, C.J. Palmer, and I. Gaffney. 1995. Distribution and population estimates of marbled murrelets at sea in Oregon during the summers of 1992 and 1993. Pages 339-352 in C.J. Ralph, J.G.L. Hunt, M.G. Raphael, and J.F. Piatt (editors). *Ecology and conservation of the marbled murrelet*. General Technical Report PSW-GTR-152. Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture, Albany, California.
- Sutcliffe, S.A. 1979. Artificial common loon nesting site construction, placement, and management in New Hampshire. Pages 147-152 in S.A. Sutcliffe (editor). *Proceedings of the North American conference on common loon research and management*. National Audubon Society 2.
- Swann, R.L., and A.D.K. Ramsay. 1983. Movements from and age of return to an expanding guillemot colony. *Bird Study* 30:207-214.

Literature Cited

- Sydeman, W.J. 1993. Survivorship of common murre on Southeast Farallon Island, California. *Ornis Scandinavica* 24:135-141.
- Takekawa, J.E., H.R. Carter, and T.E. Harvey. 1990. Decline of the common murre in central California, 1980-1986. *Studies in Avian Biology* 14:149-163.
- Tanabe, S., H. Tanaka, and R. Tatsukawa. 1984. Polychlorinated biphenyls, DDT, and hexachlorohexane isomers in the western north Pacific ecosystem. *Archives of Environmental Contamination and Toxicology* 13:731-738.
- Tasker, M.L., A. Webb, N.H. Harrison, and M.W. Pienkowski. 1990. *Vulnerable concentrations of marine birds west of Britain*. Nature Conservancy Council, Peterborough, England.
- Taylor, R.H., and P.R. Wilson. 1990. Recent increase and southern expansion of Adélie penguin populations in the Ross Sea, Antarctica, related to climatic warming. *New Zealand Journal of Ecology* 14:25-29.
- , ———, and B.W. Thomas. 1990. Status and trends of Adélie penguin populations in the Ross Sea region. *Polar Record* 26:293-304.
- Thomson, R.B. 1977. Effects of human disturbance on an Adélie penguin rookery and measures of control. Pages 1177-1180 in G.A. Llano (editor). *Adaptations within Antarctic ecosystems*. Smithsonian Institution, Washington, D.C.
- Tilman, D. 1982. *Resource competition and community structure*. Princeton University Press, Princeton, New Jersey.
- . 1986. Resources, competition and the dynamics of plant communities. Pages 51-75 in M.J. Crawley (editor). *Plant ecology*. Blackwell Scientific Publications, Oxford.
- Tovar, H., V. Guillen, and D. Cabrera. 1987a. Reproduction and population levels of Peruvian guano birds, 1980-1986. *Journal of Geophysical Research* 92:14445-14448.
- , ———, and M.E. Nakama. 1987b. Monthly population size of three guano birds species off Peru, 1953-1982. Pages 208-218 in D. Pauly and I. Tsukayama (editors). *The Peruvian anchoveta and its upwelling ecosystem: three decades of change*. ICLARM Studies and Reviews 15. Instituto del mar del Peru, Callao.
- Towns, D.R., I.A.E. Atkinson, and C.H. Daugherty. 1990a. The potential for ecological restoration in the Mercury Islands. Pages 91-108 in D.R. Towns, C.H. Daugherty, and I.A.E. Atkinson (editors). *Ecological restoration of New Zealand islands*. Conservation Sciences Publication Number 2. New Zealand Department of Conservation, Wellington.
- , C.H. Daugherty, and P.L. Cromarty. 1990b. Protocol for translocations of organisms to islands. Pages 240-254 in D.R. Towns, C.H. Daugherty, and I.A.E. Atkinson (editors). *Ecological restoration of New Zealand islands*. Conservation Sciences Publication Number 2. New Zealand Department of Conservation, Wellington.

Literature Cited

- , M. Fadden, P. Thomson, H. Robertson, and R. Colbourne. 1994. *Offshore islands cooperative conservation project with ICI. Cropcare division: phase two (Red Mercury Island)*. Internal Report Number 142. Department of Conservation.
- Trasky, L.L., L.B. Flagg, and D.C. Burbank. 1977. Impact of oil on the Kachemak Bay environment. Page 123 in L.L. Trasky, L.B. Flagg, and D.C. Burbank (editors). *Environmental studies of Kachemak Bay and Lower Cook Inlet*. Volume I. Alaska Department of Fish and Game, Marine/Coastal Habitat Management, Anchorage, Alaska.
- Trustee Council (Exxon Valdez Oil Spill Trustee Council). 1994a. *Final environmental impact statement for the Exxon Valdez oil spill restoration plan*. Exxon Valdez Oil Spill Trustee Council, Anchorage, Alaska.
- . 1994b. *Exxon Valdez oil spill restoration plan*. Exxon Valdez Oil Spill Trustee Council, Anchorage, Alaska.
- . 1996. *Exxon Valdez oil spill restoration plan: update on injured resources and services*. Exxon Valdez Oil Spill Trustee Council, Anchorage, Alaska.
- Tuck, L.M. 1961. *The murre*s. Monograph Number 1. Canadian Wildlife Service.
- U.S. Department of Commerce. 1978. Implementation of northern anchovy fishery management plan. *Federal Register*. Pages 31651-31879.
- USFWS (U.S. Fish and Wildlife Service). 1983. *Narrative*. Upper Mississippi National Wildlife Refuge, Winona, Minnesota.
- . 1995. *Draft marbled murrelet (Brachyramphus marmoratus) (Washington, Oregon, California population) recovery plan*. Portland, Oregon.
- . 1996. *Catalog of Alaskan seabird colonies: computer archives*. U.S. Fish and Wildlife Service, Migratory Bird Management, Anchorage, Alaska.
- Uttley, J., P. Monaghan, and S. White. 1989. Differential effects of reduced sandeel availability on two sympatrically breeding species of tern. *Ornis Scandinavica* 20.
- Vader, W., R.T. Barrett, K.E. Erikstad, and K.B. Strann. 1990. Differential responses of common and thick-billed murre to a crash in the capelin stock in the southern Barents Sea. *Studies in Avian Biology* 14:175-180.
- van Vliet, G. 1993. Status concerns for the "global" population of Kittlitz's murrelet: Is the "glacier murrelet" receding? *Pacific Seabird Bulletin* 20:15-16.
- Veit, R.R., J.A. McGowan, D.G. Ainley, T.R. Wahl, and P. Pyle. 1997. Apex marine predator declines ninety percent in association with changing oceanic climate. *Global Change Biology* 3:23-28.

Literature Cited

- Veitch, C.R., and B.D. Bell. 1990. Eradication of introduced animals from the islands of New Zealand. Pages 137-146 In D.R. Towns, C.H. Daugherty, and I.A.E. Atkinson (editors). *Ecological restoration of New Zealand islands*. Conservation Sciences Publication Number 2. New Zealand Department of Conservation, Wellington.
- Venrick, E.L., J.A. McGowan, D.R. Cayan, and T.L. Hayward. 1987. Climate and chlorophyll a: long-term trends in the central north Pacific Ocean. *Science* 238:70-73.
- Vequist, G. 1990. Seabird survey on the coast of Kenai Fjords during the *Exxon Valdez* oil spill. Page 14 + appendices in *Natural Resources Final Report AR-90/04*. National Park Service, Anchorage, Alaska.
- Vermeer, K. 1979. Nesting requirements, food and breeding distribution of rhinoceros auklets, *Cerorhinca monocerata*, and tufted puffins, *Lunda cirrhata*. *Ardea* 67:101-110.
- , K.H. Morgan, and G.E.J. Smith. 1993. Colony attendance of pigeon guillemots as related to tide height and time of day. *Colonial Waterbirds* 16:1-8.
- , R.A. Vermeer, K.R. Summers, and R.R. Billings. 1979. Numbers and habitat selection of Cassin's auklet breeding on Triangle Island, British Columbia. *Auk* 96:143-151.
- Vrijenhoek, R.C. 1994. Genetic diversity and fitness in small populations. Pages 37-53 in V. Loeschcke, J. Tomuik, and S.K. Jain (editors). *Conservation genetics*. Birkhäuser, Boston.
- Walsh, P.M., D.J. Halley, M.P. Harris, A.D. Nevo, I.M.W. Sim, and M.L. Tasker. 1995. *Seabird monitoring handbook for Britain and Ireland*. Joint Nature Conservation Committee, the Royal Society for the Protection of Birds, the Institute of Terrestrial Ecology, and the Seabird Group.
- Walther, H. 1979. *Eleanora's falcon: adaptations to prey and habitat in a social raptor*. University of Chicago Press.
- Wanless, S., D.D. French, M.P. Harris, and D.R. Langslow. 1982. Detection of annual changes in the numbers of cliff-nesting seabirds in Orkney 1976-1980. *Journal of Animal Ecology* 51:785-795.
- Ward, P., and A. Zahavi. 1973. The importance of certain assemblages of birds as information centers for food-finding. *Ibis* 115:517-534.
- Warheit, K.I. 1992. A review of the fossil seabirds from the tertiary of the north Pacific: plate tectonics, paleoceanography, and faunal change. *Paleobiology* 18:401-424.
- . 1996. Assessment of the origin of and the demographic impact to common murre (*Uria aalge*) killed during the 1991 *Tenyo Maru* oil spill. Pages 51 in *Final Report Submitted to U.S. Fish and Wildlife Service, Document Control Number 98210-93-376*.

Literature Cited

- , and D.R. Lindberg. 1988. Interactions between seabirds and marine mammals through time: interference competition at breeding sites. Pages 284-328 in J. Burger (editor). *Seabirds and other marine vertebrates*. Columbia University Press, New York.
- , ———, and R.J. Boekelheide. 1984. Pinniped disturbance lowers reproductive success of black oystercatcher *Haematopus bachmani* (Aves). *Marine Ecology Progress Series* 17:101-104.
- Waser, P.M. 1985. Does competition drive dispersal? *Ecology* 66:1170-1175.
- Watanuki, Y., and T. Terasawa. 1995. Status and conservation of seabirds breeding at Terui Island, Japan. Unpublished report.
- Weimerskirch, H., and P. Jouventin. 1987. Population dynamics of the wandering albatross, *Diomedea exulans*, of the Crozet Islands: causes and consequences of the population decline. *Oikos* 9:315-322.
- Wenink, P.W., A.J. Baker, and M.G.J. Tilanus. 1994. Mitochondrial control region sequences in two shorebird species, the turnstone and dunlin, and their utility in population genetic studies. *Molecular Biology and Evolution* 11:22-31.
- Wespestad, V.G., and S.M. Fried. 1983. Review of the biology and abundance trends of Pacific herring (*Clupea harengus pallasii*). Pages 17-29 in W.S. Wooster (editor). *From year to year, interannual variability of the environment and fisheries of the Gulf of Alaska and the eastern Bering Sea*. Washington Sea Grant Program, Seattle.
- Whittam, T.S., and D. Siegel-Causey. 1981. Species interactions and community structure in Alaskan seabird colonies. *Ecology* 62:1515-1524.
- Wiens, J.A. 1995. Recovery of seabirds following the Exxon Valdez oil spill: an overview. Pages 854-893 in P.G. Wells, J.N. Butler, and J.S. Hughes (editors). *Exxon Valdez oil spill: fate and effects in Alaskan waters*. ASTM STP 1219. ASTM, Philadelphia.
- , and K.R. Parker. 1995. Analyzing the effects of accidental environmental impacts: approaches and assumptions. *Ecological Applications* 5:1069-1083.
- , and J.M. Scott. 1975. Model estimation of energy flow in Oregon coastal seabird populations. *Condor* 77:439-452.
- , R.G. Ford, and D. Heineman. 1984. Information needs and priorities for assessing the sensitivity of marine birds to oil spills. *Biological Conservation* 28:21-49.
- Williams, J.M., M.L. Tasker, I.C. Carter, and A. Webb. 1995. A method of assessing seabird vulnerability to surface pollutants. *Ibis* 137(supplement):147-152.
- Wilson, A.C., R.L. Cann, S.M. Carr, M. George, U.B. Gyllensten, K.M. Helm-Bychowski, R.G. Higuchi, S.R. Palumbi, E.M. Prager, R.D. Sage, and M. Stoneking. 1985. Mitochondrial

Literature Cited

- DNA and two perspectives on evolutionary genetics. *Biological Journal of the Linnean Society* 26:375-400.
- Wilson, U.W., and D.A. Manuwal. 1986. Breeding biology of the rhinoceros auklet in Washington. *Condor* 88:143-155.
- Wingate, D.B. 1985. The restoration of Nonsuch Island as a living museum of Bermuda's pre-colonial terrestrial biome. Pages 225-238 in P.J. Moors (editor). *Conservation of island birds*. Technical Publication Number 3. International Council for Bird Preservation, Cambridge, England.
- Winkler, D.W., and W.D. Shuford. 1988. Changes in the numbers and locations of California gulls nesting at Mono Lake, California, in the period 1863-1986. *Colonial Waterbirds* 11:263-274.
- Wittenberger, J.F., and J.G.L. Hunt. 1985. The adaptive significance of coloniality in birds. Pages 1-79 in D.S. Farner, J.R. King, and K.C. Parkes (editors). *Avian biology*. Volume 8. Academic Press, New York.
- Wolf, P. 1992. Recovery of the Pacific sardine and the California sardine fishery. *California Cooperative Oceanic Fisheries Investigations Reports* 33:76-88.
- Wood, M.A., and N. Heaphy. 1991. Rehabilitation of oiled seabirds and bald eagles following the Exxon Valdez oil spill. Pages 235-239 in J. Ludwigson (editor). *1991 international oil spill conference (prevention, behavior, control, cleanup)*. Publication Number 4529. American Petroleum Institute, Washington, D.C.
- Wooler, R.D., J.S. Bradley, and J.P. Croxall. 1992. Long-term population studies of seabirds. *TREE* 7:111-114.
- , ———, I.J. Skira, and D.L. Serventy. 1989. Short-tailed shearwater. Pages 405-417 in I. Newton (editor). *Lifetime reproduction in birds*. Academic Press, London.
- Wynne, K. 1992. 1991 marine mammal observer program for the salmon driftnet fishery of Prince William Sound, Alaska. National Marine Fisheries Service, Juneau, Alaska.
- , D. Hicks, and N. Munro. 1991. 1990 salmon gillnet fisheries observer programs in Prince William Sound and south Unimak Alaska. Page 69 in *Final Report, Saltwater Inc., Anchorage, Alaska*. National Marine Fisheries Service, Juneau, Alaska.
- , ———, and ———. 1992. 1991 marine mammal observer program for the salmon driftnet fishery of Prince William Sound, Alaska. Saltwater Inc., Anchorage, Alaska.
- Zelickman, E.A., and A.N. Golovkin. 1972. Composition, structure and productivity of neritic plankton communities near the bird colonies of the northern shores of Novaya Zemlya. *Marine Biology* 17:265-274.

PUBLISHED PROCEEDINGS OF SYMPOSIA OF THE PACIFIC SEABIRD GROUP

At irregular intervals the Pacific Seabird Group holds symposia at its annual meetings. The symposia are often compiled, edited, peer reviewed and published. Published symposia are listed below. Copies can be purchased from the Pacific Seabird Group.

SHOREBIRDS IN MARINE ENVIRONMENTS Frank A. Pitelka (Editor). Proceedings of an International Symposium of the Pacific Seabird Group, Avilomar, California, January 1977. Published June 1979 in *Studies in Avian Biology*, Number 2. Out of print.

TROPICAL SEABIRD BIOLOGY Ralph W. Schreiber (Editor). Proceedings of an International Symposium of the Pacific Seabird Group, Honolulu, Hawaii, December 1982. Published February 1984 in *Studies in Avian Biology*, Number 8. \$12.00.

MARINE BIRDS: THEIR FEEDING ECOLOGY AND COMMERCIAL FISHERIES RELATIONSHIPS David N. Nettleship, Gerald A. Sanger, and Paul F. Springer (Editors). Proceedings of an International Symposium of the Pacific Seabird Group, Seattle, Washington, January 1982. Published 1984 as Canadian Wildlife Service, Special Publication. Out of print.

ECOLOGY AND BEHAVIOR OF GULLS Judith L. Hand, William E. Southern, and Kees Vermeer (Editors). Proceedings of an International Symposium of the Colonial Waterbird Society and the Pacific Seabird Group, San Francisco, California, December 1985. Published June 1987 in *Studies in Avian Biology*, Number 10. \$18.50.

AUKS AT SEA Spencer G. Sealy (Editor). Proceedings of an International Symposium of the Pacific Seabird Group, Pacific Grove, California, December 1987. Published December 1990 in *Studies in Avian Biology*, Number 14. \$16.00.

STATUS AND CONSERVATION OF THE MARBLED MURRELET IN NORTH AMERICA Harry C. Carter, and Michael L. Morrison (Editors). Proceedings of a Symposium of the Pacific Seabird Group, Pacific Grove, California, December 1987. Published October 1992 in *Proceedings of the Western Foundation of Vertebrate Zoology*, Volume 5, Number 1. \$20.00.

THE STATUS, ECOLOGY, AND CONSERVATION OF MARINE BIRDS OF THE NORTH PACIFIC Kees Vermeer, Kenneth T. Briggs, Ken H. Morgan, and Douglas Siegel-Causey (Editors). Proceedings of a Symposium of the Pacific Seabird Group, Canadian Wildlife Service, and the British Columbia Ministry of Environment, Lands and Parks, Victoria, British Columbia, February 1990. Published 1993 as Canadian Wildlife Service, Special Publication, Ministry of Supply and Services, Canada. Catalog Number CW66-124-1993E. Free. Write: Publications Division, Canadian Wildlife Service, Ottawa, Ontario, K1A 0H3, Canada.

BIOLOGY OF MARBLED MURRELETS - INLAND AND AT SEA S. Kim Nelson and Spencer G. Sealy (Editors). Proceedings of a Symposium of the Pacific Seabird Group, Seattle, Washington, February 1993. Published 1995 in *Northwestern Naturalist*, Volume 76, Number 1. \$20.00.