Bibliography

- Agee, J. K. 1993. Fire ecology of Pacific Northwest forests. Island Press. Washington, D.C. 493 pp.
- Agee, J. K., and R.L. Edmonds. 1992. Forest protection guidelines for the northern spotted owl. Appendix E in Final draft recovery plan for the northern spotted owl. U.S. Department of the Interior. Washington, D.C.
- Agee, J.K. 1988. Successional dynamics in forest riparian zone. Pp. 31-43 *in* Raedeke, K.J. (ed.). Streamside management: riparian wildlife and forestry interactions. University of Washington Press. Seattle, Washington.
- Agee, J.K. 1990. The historical role of fire in Pacific Northwest forests. Pp. 25-38 *in* Walstad, J.D., S.R. Radosevich, and D.V. Sandbergn (eds.). Natural and prescribed fire in Pacific Northwest Forests. Oregon State University Press. Corvallis, Oregon.
- Agee, J.K. 1991. Fire history of Douglas-fir forests in the Pacific Northwest. Pp. 25-33 *in* Ruggiero, L.F., K.B. Aubry, A.B. Carey, and M.M. Huff (tech. coords.). Wildlife and vegetation of unmanaged Douglas-fir forests. General Technical Report PNW-GTR-285. Portland, Oregon: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station.
- Ajwani, S. 1957. A review of Lake Washington Watershed; historical, biological and limnological. M.S. Thesis. University of Washington, Seattle, Washington. 148 pp.
- Allee, B.J. 1974. Spatial requirements and behavioral interactions of coho salmon (*Oncorhynchus kisutch*) and steelhead trout (*Salmo gairdneri*). Ph.D. Dissertation. University of Washington, Seattle, Washington.
- Allen, A.W. 1982. Habitat suitability index models: marten. U.S. Fish and Wildlife Service, Department of the Interior. FWS/OBS-82/10.11. 9 pp.
- Allen, A.W. 1983. Habitat suitability index models: fisher. U.S. Department of the Interior, Fish and Wildlife Service. FWS/OBS-82/10.45.
- Allen, H. 1991. Status and management of the peregrine falcon in Washington. Pp. 72-74 *in* J.E. Pagel (ed.). Proceedings, symposium on peregrine falcons in the Pacific Northwest. Rogue River National Forest, Medford, Oregon.
- Allendorf, F.W. 1975. Genetic variability in a species possessing extensive gene duplication: genetic interpretation of duplicate loci and examinations of genetic variation in populations of rainbow trout. Ph.D. Dissertation. University of Washington, Seattle, Washington. 98pp.
- Almack, J.A., W.L. Gaines, R.H. Naney, P.H. Morrison, J.R. Eby, G.F. Wooten, M.C. Snyder, S.H. Fitkin, and E.R. Garcia. 1993. North Cascades Grizzly Bear Ecosystem evaluation: Final report. Interagency Grizzly Bear Committee, Denver, Colorado. 156 pp.
- Amaranthus, M.P., J.M. Trappe, and R.J. Molina. 1989. Long-term site productivity and the living soil. Pp. 36-52 *in* Perry, D.A., E. Meurisse. B. Thomas, R. Miller, J. Boyle, J. Means, C.R. Perry, and R.F. Powers (eds.). Maintaining the long-term productivity of Pacific Northwest forest ecosystems. Timber Press. Portland, Oregon.
- American Ornithologists' Union. 1957. Check-list of North American Birds. 5th edition. Lord Baltimore Press, Baltimore, Maryland. 691 pp.
- American Ornithologists' Union. 1983. Check-list of North American birds. 6th edition. Allen Press, Lawrence, Kansas. 877 pp.

- American Ornithologists' Union. 1985. Thirty-fifth supplement to the American Ornithologists' Union check-list of North American birds. Auk 102:680-686.
- Ames, J.J. 1983. Lake Washington Sockeye: an example of a low productivity salmon stock. Proceedings of the 1983 Lake Washington Symposium, sponsored by Trout Unlimited.
- Amos, K.H., K.A. Hopper, and L. LeVander. 1989. Absence of infectious hematopoietic necrosis virus in adult sockeye salmon. J. Aquatic Anim. Health 1:281-283.
- Andelman, S.J., and A. Stock. 1994. Management, research and monitoring priorities for the conservation of neotropical migratory landbirds that breed in Washington State.

 Washington Natural Heritage Program. Washington Department of Natural Resources. Olympia, Washington.
- Anderson, B., J. Forst, K. McAllister, D. Pineo, and P. Crocker-Davis. 1986. Bald eagles in Washington. Washington Wildlife 36(4):13-20.
- Anderson, Erik. 1997(8). M.S. Thesis. University of Washington, School of Fisheries. Seattle, Washington.
- Anderson, R.J., and A.M. Bruce. 1980. A comparison of selected bald and golden eagle nests in western Washington. Pp. 117-120 *in* R.L. Knight (ed.). Proceedings of the Washington Bald Eagle Symposium, Seattle.
- Andrus, C. W., B. A. Long, and H. A. Froehlich. 1988. Woody debris and its contribution to pool formation in a coastal stream 50 years after logging. Canadian Journal of Fisheries and Aquatic Sciences 45:2080-2086.
- Anthony, J.L., and E.B. Cummins. 1989. 1988-1989 Hoh-Clearwater spotted owl inventory report. Washington Department of Natural Resources, and Washington Department of Wildlife, Olympia, Washington. 62 pp.
- Anthony, R.G., and F.B. Isaacs. 1989. Characteristics of bald eagle nest sites in Oregon. Journal of Wildlife Management 53:148-159.
- Anthony, R.G., R.L. Knight, G.T. Allen, B.R. McClelland, and J.I. Hodges. 1982. Habitat use by nesting and roosting bald eagles in the Pacific Northwest. Trans. N. Am Wildl. and Nat. Res. Conf. 47:332-342.
- Archibald, W.R., R. Ellis, and A.N. Hamilton. 1987. Responses of grizzly bears to logging truck traffic in the Kimsquit River Valley, British Columbia. Intl. Conf. Bear Res. and Manage. 7:251-57.
- Arney, J.D. 1997. Western Washington growth and yield calibration of the forest projection system (FPS) growth model. Technical Report No. 6. Forest Biometrics Library. 58 pp. plus appendices.
- Arthur, S. M., and W.B. Krohn. 1989. Habitat use and diet of fishers. J. Wildl. Manage. 53:680-88.
- Aubry, K.B., and C.M. Raley. 1996. Reintroduction, current distribution, and ecology of fishers in southwestern Oregon: a progress report. Martes Working Group Newsletter 4:8-10.
- Aubry, K.B., and D.B. Houston. 1992. Distribution and status of fisher (*Martes pennanti*) in Washington. Northwest Naturalist 73:69-79.

- Aubry, K.B., and P.A. Hall. 1991. Terrestrial amphibian communities in the southern Washington Cascade Range. Pp. 32-37 *in* Ruggiero, L.F., K.B. Aubry, A.B. Carey, M.H. Huff (tech. Coords.). Wildlife and vegetation of unmanaged Douglas-fir forests. Gen. Tech. Rep. PNW-GTR-285. Pacific Northwest Research Station, U.S. Department of Agriculture, Forest Service, Portland, Oregon.
- Aubry, K.B., C.M. Raley, T.J. Catton, G.W. Tomb, and F.E. Wahl. 1996. Ecological characteristics of fishers in southwestern Oregon. Pp. 84-90 *in* Ecology, management, and conservation of sensitive wildlife species. Wildl. Ecol. Team, Annual Rep. USDA Forest Service, Pacific Northwest Res. Sta., Olympia, Washington. 123 pp.
- Aune, K., and W. Kasworm. 1989. Final report, East Front Grizzly Bear study. Montana Department of Fish, Wildlife, and Parks, Helena, Montana. 154 pp.
- Austin, K.K. 1994. Habitat use and home range size of breeding northern goshawks in the southern Cascades. M.S. Thesis. Oregon State University, Corvallis, Oregon.
- Bagley, C.B. 1929. History of King County, Washington. S. J. Clarke Publishing Company.
- Baker, F.A., S.E. Daniels, and C.A. Parks. 1996. Inoculating trees with wood decay fungi with rifle and shotgun. Western Journal of Applied Forestry 11(1):13-15
- Balda, R.P. 1975. The relationship of secondary cavity nesters to snag densities in western conifer forests. Wildl. Hab. Bull. 1. Albuquerque, New Mexico, U.S. Department of Agriculture, Forest Service, Southwest Region. 37 pp.
- Bali, J.M. 1959. Scale analysis of steelhead trout *Salmo gairdneri gairdneri* Richardson from various coastal watersheds of Oregon. M.S. Thesis. Oregon State University, Corvallis, Oregon. 189 pp.
- Ball, K., and S. Petit. 1974. Evaluation of game and rough fish populations below Dworshak Dam and relationships to changes in water quality. Dworshak fisheries studies. Job Perf. Rep. Proj. DSS 29-4, Job # 3. Idaho Dept. Fish Game. 122 pp.
- Banci, V. 1989. A fisher management strategy for British Columbia. B.C. Minist. Env., Wildl. Branch, Wildl. Bull. No. B-63.
- Banci, V. 1994. Wolverine. Pp. 99-127 *in* L.F. Ruggiero, K.B. Aubry, S.W. Buskirk, L. Jack Lyon, and W.J. Zielinski (eds.). The scientific basis for conserving forest carnivores: American marten, fisher, lynx, and wolverine in the western United States. Gen. Tech. Rep. RM-254. USDA Forest Service, Rocky Mountain Forest and Range Exp. Sta., Ft. Collins, Colorado. 183 pp.
- Banfield, A.W.F. 1974. The mammals of Canada. University of Toronto Press, Toronto, Canada.
- Baranski, C. 1979. Maturity rates for Puget Sound chinook stocks. Washington Department of Fisheries, Olympia, Washington. Technical Report No. 43. 13 pp.
- Baranski, C. 1989. Coho smolt production in ten Puget Sound streams. Washington Department of Fisheries, Olympia. Technical Report No. 99. 29 pp.
- Barbour, R.W., and W.H. Davis. 1969. Bats of America. University of Kentucky Press, Lexington, Kentucky. 286 pp.
- Barklow, W.E. 1979. Graded frequency variations of the Common Loon (*Gavia immer*). Condor 81:53-64.
- Bart, J., and E.D. Forsman. 1992. Dependence of northern spotted owls (*Strix occidentalis caurina*) on old-growth forests in western U.S.A. Biological Conservation 62(2):95-100.

- Beatty, J.J., A.R. Blaustein, and R.M. Storm. 1991. A report to the northern spotted owl recovery team: the biology of amphibians and reptiles. Department of Zoology, Oregon State University. Corvallis, Oregon. 78 pp. plus figures.
- Beauchamp, D.A. 1993. Spatial and temporal dynamics of piscivory: implication for foodweb stability and transparency of Lake Washington. Thirteenth International Symposium of the North American Lake Management Society: November 30 December 4, 1993. Seattle, Washington.
- Beauchamp, D.A. 1996. Estimating the carrying capacity for planktivorous fishes in Lake Washington. Report to King County Department of Natural Resources and the Washington Department of Fish and Wildlife. 31 pp.
- Becker, C.D., D.A. Neitzel, and C.S. Abernethy. 1983. Effects of dewatering on chinook salmon redds: tolerance of four developmental phases to one-time dewatering. North American Journal of Fisheries Management 3:373-382.
- Becker, C.D., D.A. Neitzel, and D.H. Fickeisen. 1982. Effects of dewatering on chinook salmon redds: tolerance of four developmental phases to daily dewaterings. Transactions of the American Fisheries Society 111:624-637.
- Beechie, T., E. Beamer, and L. Wasserman. 1994. Estimating coho salmon production losses in a large river basin, and implications for habitat restoration. North American Journal of Fisheries Management 14:797-811.
- Behler, J.L., and F.W. King. 1979. The National Audubon Society field guide to North American reptiles and amphibians. Alfred A. Knopf, Inc. New York, New York. 743 pp.
- Behnke, R.J. 1992. Native trout of western North America. Pp. 61-72 *in* American Fisheries Society Monograph 6.
- Bell, M. 1991. Fisheries handbook of engineering requirements and biological criteria. Fish passage development and evaluation program. U.S. Army Corps of Engineers, North Pacific Division, Portland, Oregon. 1990.
- Bellrose, F.C. 1976. Ducks, geese, and swans of North America. Stackpole Books, Harrisburg, Pennsylvania.
- Beneski, J.T., Jr., and D.W. Stinson. 1987. *Sorex palustris*. Mammalian Species Accounts No. 296, pp 1-6.
- Bengton, S., and S. Ulfstrand. 1971. Food resources and breeding frequency of the harlequin duck *Histrionicus histrionicus* in Iceland. Oikos 22:235-239.
- Bengtson, S.A. 1972. Breeding ecology of the harlequin duck (*Histrionicus histrionicus*) (L.) in Iceland. Ornis Scand. 3:1-19.
- Bent, A.C. 1938. Life Histories of North American Birds of Prey, Part 2: Hawks, Falcons, Caracaras, and Owls. Dover Publications, Inc., New York, NY. 482 pp.
- Bent, A.C. 1949. Life histories of North American thrushes, kinglets, and their allies. Smithsonian Institution, U.S. Natural History Museum Bull. 196 pp.
- Bent, A.C. 1963. Life histories of North American flycatchers, larks, swallows, and their allies. Dover Publications, Inc., New York, New York, 555pp.
- Bergdahl, J.C. 1996. Letter to the City of Seattle Water Department regarding habitats of Pacific Northwest endemic carabids, dated October 10, 1995 (revised January 17, 1996). 2 pp.

- Bergdahl, J.C. 1997. Carabid beetles (Coleoptera: Carabidae) of Puget Sound lowland *Sphagnum* bogs. Pp. 11-14 *in* G. Hayslip (ed.). Proceedings 8th NW Biological Assessment Workgroup (McCall, ID: 4-6 Nov 1997). U.S. Environmental Protection Agency, Seattle, Washington.
- Beschta, R.L. 1979. Debris removal and its effects on sedimentation in an Oregon Coast Range stream. Northwest Science 53:71-77.
- Beschta, R.L. 1991. Stream habitat management for fish in the northwestern United States: the role of riparian vegetation. American Fisheries Society Symposium 10:53-58.
- Beschta, R.L., W.S. Platts, J.B. Kauffman, and M.T. Hill. 1996. Artificial stream restoration money well spent or an expensive failure? Pp. 21-49 *in*10th International stream habitat improvement: Salmonid habitat: operational solutions to problems in forested streams. August 19-22, 1996. LaSells Stewart Center, Corvalis, Oregon.
- Bilby, R.E. 1988. Interactions between aquatic and terrestrial systems. *In* K. J. Raedke (ed.). Streamside management: riparian wildlife and forestry interactions. University of Washington Press. Seattle, Washington. Pp. 13-29.
- Bilby, R.E., and J.W. Ward. 1991. Characteristics and function of large woody debris in streams draining old-growth, clear-cut, and second-growth forests in southwestern Washington. Canadian Journal of Fisheries and Aquatic Sciences 48:2499-2508.
- Bilby, R.E., B.K. Fransen, and P.A. Bisson. 1996. Incorporation of nitrogen and carbon from spawning coho salmon into the trophic system of small streams: evidence from stable isotopes. Canadian Journal of Fisheries and Aquatic Sciences 53(1):164-173.
- Binford, L.C., B.G. Elliott, and S.W. Singer. 1975. Discovery of a nest and the downy young of the marbled murrelet. The Wilson Bulletin 87(3):303-319.
- Bisson, P.A. 1996. Monitoring biological success of steam habitat improvement projects. *In* 10th International stream habitat improvement: Salmonid habitat: operational solutions to problems in forested streams. August 16-22, 1996. LaSells Stewart Center, Corvallis, Oregon.
- Bisson, P.A., and J.R. Sedell. 1984. Salmonid populations in streams in clearcut vs. old-growth forest of western Washington. Pp. 121-120 *in* W. R. Meehan, T.R. Merrell, Jr., and T.A. Hanley (eds.). Fish and Wildlife relationships in old-growth forests. American Institute of Fishery Research Biologists. Juneau, Alaska.
- Bisson, P.A., R.E. Bilby, M.D. Bryant, C.A. Dolloff, G.B. Grette, R.A. House, M.L. Murphy, K.V. Koski, and J.R. Sedell. 1987. Large woody debris in forested streams in the Pacific Northwest: past, present, and future. Chapter 5 *in* E.O. Salo and T.W. Cundy (eds.). Streamside management: forestry and fisheries interactions. Institute of Forest Resources, University of Washington, Seattle. Contribution No. 57. Pp 143-190.
- Blakesley, J.A., A.B. Franklin, and R.J. Gutierrez. 1992. Spotted owl roost and nest site selection on northwestern California. Journal of Wildlife Management 56(2):388-392.
- Blanchard, B. 1978. Grizzly bear distribution in relation to habitat areas and recreational use: Cabin Creek-Hilgard Mountains. M.S. Thesis. Montana State University, Bozeman, Montana. 75 pp.
- Blaustein, A.R., and D.B. Wake. 1990. Declining amphibian populations: a global phenomenon? Trends in Ecology and Evolution 5:203-204.

- Blaustein, A.R., J.J. Beatty, D.H. Olson, and R.M. Storm. 1995. The biology of amphibians and reptiles in old-growth forests in the Pacific Northwest. Gen. Tech. Rep. PNW-GTR-337. U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, Portland, Oregon. 98 pp.
- Blaustein, R.R., and D.B. Wake. 1995. The puzzle of declining amphibians. Sci. Amer. 272:52-57.
- Bledsoe, L.J., D.A. Somerton, and C.M. Lynde. 1989. The Puget Sound runs of salmon: an examination of the changes in run size since 1986. *In* C.D. Levings, L.B. Holtby and M.A. Henderson (eds.). Proceedings of the national workshop on effects of habitat alteration on salmonid stocks. Can. Spec. Publ. Fish. Aquat. Sci. 105:50-61.
- Bley, P.W., and J.R. Moring. 1988. Freshwater and ocean survival of Atlantic salmon and steelhead: a synopsis. U.S. Fish and Wildlife Service Biological Report 88(9).
- Blus, L.J., C.J. Henny, and T.E. Kaiser. 1980. Pollution ecology of breeding great blue herons in the Columbia Basin, Oregon and Washington. Murrelet 61:63-71.
- Bogener, D.J. 1980. Bald eagle inventory and management study for Shasta Lake Ranger District. Unpublished Rep. USDA Forest Service, Redding, California. 22 pp.
- Bolsinger, C.L., and K.L. Waddell. 1993. Area of old-growth forests in California, Oregon, and Washington. Resource Bulletin PNW-RB-197. U.S. Dept. Agriculture, Forest Service, Pacific Northwest Research Station. Portland, Oregon. 26 pp.
- Bonar, S.C., M. Divens, and B. Bolding. 1997. Methods for sampling the distribution and abundance of bull trout/Dolly Varden. Inland Fisheries Investigations, Resources Assessment Division, Washington State Department of Fish and Wildlife Reasearch Report # RAD97-05. Olympia, Washington.
- Bond, C.E. 1992. Notes on the nomenclature and distribution of the bull trout and the effects of human activity on the species. Pp. 1-4 *in* Proceedings of Gearhart Mountain bull trout workshop. Oreg. Chap. Amer. Fish. Soc., Corvallis, Oregon. 67 pp.
- Bonneau, J.L., R.F. Thurow, and D.L. Scarnecchia. 1995. Capture, marking, and enumeration of juvenile bull trout and cutthroat trout in small, low-conductivity streams. North American Journal of Fisheries Management 15:563-568.
- Bonneville Power Authority. 1995. Yakima Fisheries Project. Revised Draft Environmental Impact Statement. U.S. Department of Energy, BPA, Portland, Oregon.
- Booth, D.B. 1991. Urbanization and the natural drainage system impacts, solutions, and prognoses. Northwest Environmental Journal 7:93-118.
- Booth, D.B. and L.E. Reinelt. 1993. Consequences of urbanization on aquatic systems measured effects, degradation thresholds, and corrective strategies. Watersheds '93, conference sponsored by U.S. Environmental Protection Agency, Alexandria, Virginia, March 21-24. Pp. 545-550.
- Booth, D.B., and C.R. Jackson. 1994. Urbanization of aquatic systems degradation thresholds and the limits of mitigation. Pp. 425-434 *in* R.A. Marston and V.R. Hasfurther (eds.). Effects of human-induced changes on hydrologic systems. Proceedings of the annual summer symposium of the American Water Resources Association, Jackson Hole, Wyoming.
- Bosakowski, T., and R. Speiser. 1994. Macrohabitat selection by nesting northern goshawks: implications for managing eastern forests. Stud. Avian Biol. 16:46-49.

- Botkin, D.B. 1990. Discordant harmonies: a new ecology for the twenty-first century. Oxford University Press. New York, New York. 241 pp.
- Bottom, D.L., P.J. Howell, and J.D. Rodgers. 1985. The effects of stream alterations on salmon and trout habitat in Oregon. Oregon Department of Fish and Wildlife, Portland, Oregon. 68 pp.
- Bovee, K.D. 1982. A guide to stream habitat analysis using the Instream Flow Incremental Methodology. Instream Flow Information Paper #12, U.S. Fish and Wildlife Service, Fort Collins, Colorado.
- Bovee, K.D. 1986. Development and evaluation of habitat suitability criteria for use in the Instream Flow Incremental Methodology. Instream Flow Information Paper #21, U.S. Fish and Wildlife Service, Fort Collins, Colorado.
- Bovee, K.D., B.L. Lamb, J.M. Bartholow, C.B Stalnaker, J. Taylor and J. Henriksen. 1998. Stream habitat analyses using the instream flow incremental methodology. U. S. Geological Survey, Biological Resources Division Information and Technology Report USGS/BRD-1998-004. vii + 131pp.
- Bowman, I., and J. Siderius. 1984. Management guidelines for the protection of heronieries in Ontario. Ontario Ministry of Natural Resources. Wildlife Branch, Toronto.
- Branson, B.A. 1977. Freshwater mollusca of the Olympic Peninsula, Washington. The Veliger 19(3):310-330.
- Branson, B.A. 1980. Collections of gastropods from the Cascade Mountains of Washington. The Veliger 23(2):171-176.
- Branson, B.A., and R.M. Branson. 1984. Distributional records for terrestrial and freshwater mollusca of the Cascade and Coast Ranges, Oregon. The Veliger 26(4):248-257.
- Braun, C.E. 1994. Band-tailed pigeon. Pages 61-74 *in* T.C. Tacha and C.E. Braun (eds.). Migratory shore and upland game bird management in North America. International Assoc. of Fish and Wildlife Agencies in cooperation with USDI Fish and Wildlife Service, Washington, D.C.
- Briggs, J.C. 1953. The behavior and reproduction of salmonid fishes in a small coastal stream. Calif. Dep. Fish Game Bull. 94:62.
- Brittell, J.D., R.J. Poelker, S.J. Sweeney, and G.M. Koehler. 1989. Native cats of Washington. Unpublished Report. Washington Department of Wildlife, Olympia, Washington.
- Brown, E.R. (ed.). 1985a. Management of wildlife and fish habitats in forests of western Oregon and Washington, part 1 chapter narratives. U.S. Department of Agriculture, Forest Service, Pacific Northwest Region, and USDI Bureau of Land Management. Publication No. R6-F&WL-192-1985. 332pp.
- Brown, E.R. (ed.). 1985b. Management of wildlife and fish habitats in forests of western Oregon and Washington, part 2 appendices. U.S. Department of Agriculture, Forest Service, Pacific Northwest Region, and USDI Bureau of Land Management. Publication No. R6-F&WL-192-1985. 302pp.
- Brown, H.A. 1975. Temperature and development of the tailed frog, *Ascaphus truei*. Comp. Biochem. Physiol. Vol. 50, pp. 397-409. Pergamon Press, Great Britain.
- Brown, L., and D. Amadon. 1968. Eagles, hawks and falcons of the world, vol. 2. McGraw-Hill Book Co. Pp. 445-945.

- Brown, L.G. 1992a. On the zoogeography and life history of Washington's native charr; Dolly Varden, *Salvelinus malma* (Walbaum) and bull trout, *Salvelinus confluentus* (Suckley). Pp. 34-75 *in* Appendix A. Bull trout/Dolly Varden management and recovery plan. Washington Department of Wildlife, Olympia, Washington.
- Brown, L.G. 1992b. Draft management guide for the bull trout *Salvelinus confluentus* (Suckley) on the Wenatchee National Forest. Washington Department of Wildlife Technical Report. 104 pp.
- Bruce, A.M. 1986. Nesting of great blue herons in young managed forests of western Washington. Unpubl. Tech. Rep. for Weyerhauser Co.
- Bruce, A.M., R.J. Anderson, and G.T. Allen. 1982. Observation of golden eagles nesting in western Washington. Raptor Res. 16:132-134.
- Buchanan, J.B. 1991. Spotted owl nest site characteristics in mixed conifer forests of the eastern Cascade mountains, Washington. M.S. Thesis. University of Washington, Seattle. 136 pp.
- Buck, S. 1982. Habitat utilization by fisher (*Martes pennanti*) near Big Sur, California. M.S. Thesis. Humboldt State University, Arcata, California.
- Buck, S.G., C. Mullis, A.S. Mossman, I. Snow, and C. Coolahan. 1994. Habitat use by fishers in adjoining heavily and lightly harvested forest. Pp. 368-376 *in* Buskirk, S.W., A.S. Harestad, M.G. Raphael, and R.A. Powell (eds.). Martens, sables, and fishers: biology and conservation. Cornell University Press, Ithaca, New York.
- Buck, S.G., C. Mullis, and A.S. Mossman. 1983. Corral Bottom-Hayfork Bally fisher study. Final report to the U.S. Department of Agriculture, Forest Service, Region 5, San Francisco, California. 102 pp.
- Bulkley, R. V. 1967. Fecundity of steelhead trout, *Salmo gairdneri*, from Alsea River, Oregon. Journal of the Fisheries Research Board of Canada 24:917-926.
- Bull, E.L. 1987. Ecology of the pileated woodpecker in northeastern Oregon. J. Wildl. Manage. 51:472-481.
- Bull, E.L. 1991. Unusual summer roost of Vaux's swifts. Unpubl. Rep. Forestry and Range Sciences Laboratory, LaGrande, Oregon. 11 pp.
- Bull, E.L., and C.T. Collins. 1993. Vaux's swift (*Chaetura vauxi*). *In* Poole, A., and F Gill (eds.). The birds of North America. Acad. Nat. Sci., Philadelphia.
- Bull, E.L., and H.D. Cooper. 1991. Vaux's Swift nests in hollow trees. Western Birds 22:85-91.
- Bull, E.L., and J.E. Hohmann. 1992. The association between Vaux's Swifts and old-growth forests in northeastern Oregon. Western Birds 24:38-42.
- Bull, E.L., and R.C. Beckwith. 1993. Diet and foraging behavior of Vaux's swifts in northeastern Oregon. Condor 95(4):1016-1023.
- Bull, E.L., and R.S. Holthausen. 1993. Habitat use and management of pileated woodpeckers in northeastern Oregon. J. Wildl. Manage. 57:335-345.
- Bull, E.L., R.C. Beckwith, and R.S. Holthausen. 1992a. Arthropod diet of pileated woodpeckers in northeastern Oregon. Northwestern Naturalist 73:42-45.
- Bull, E.L., R.S. Holthausen, and M.G. Henjum. 1992b. Roost trees used by pileated woodpeckers in northeastern Oregon. J. Wildl. Manage. 56:786-93.

- Bull, E.L., S.R. Peterson, and J.W. Thomas. 1986. Resource partitioning among woodpeckers in northeastern Oregon. Research Note PNW-444. USDA Forest Service. 19 pp.
- Bunnell, F.L. 1995. Forest-dwelling vertebrate faunas and natural fire regimes in British Columbia: patterns and implications for conservation. Conservation Biology 9(3):636-644.
- Bunnell, F.L. 1995. Forest-dwelling vertebrate faunas and natural fire regimes in British Columbia: patterns and implications for conservation. Conservation Biol. 9:636-644.
- Burgner, R.L. 1991. Life history of sockeye salmon (Oncorhynchus nerka). Pp. 1-117 in C. Groot and L. Margolis (eds.). Pacific Salmon Life Histories. University of British Columbia Press, Vancouver, British Columbia.
- Burgner, R.L., C.J. DiCostanzo, R.J. Ellis, G.Y. Harry, Jr., W.L. Hartman, O.E. Ierns, Jr., O.A. Mathisen, and W.F. Royce. 1969. Biological studies and estimates of optimum escapements of sockeye salmon in the major river systems in southwestern Alaska. Fish. Bull. (U.S.) 67:405-459.
- Burgner, R.L., J.T. Light, L. Margolis, T. Okazaki, A. Tautz and S. Ito. 1992. Distribution and origins of steelhead trout (Oncorhynchus mykiss) in offshore waters of the north pacific ocean. International North Pacific Fisheries Commission, Bulletin 51. 91 pp.
- Burke, T.E. 1994a. Mollusk species from the Record of Decision (ROD) President's Forest Plan Supplement Table C-3 Survey and Manage. Notes on molluscan species from Washington. Olympic National Forest. Olympia, Washington. 17 pp.
- Burke, T.E. 1994b. Survey of the Taneum Watershed for species of the Phylum Mollusca. Report on file. USDA Forest Service, Cle Elum Ranger District. Cle Elum, Washington. 31 pp.
- Burkett, E.A. 1995. Marbled murrelet food habits and prey ecology. In C.J. Ralph, G.L. Hunt, Jr., M.G. Raphael, and J.F. Piatt (eds.). Ecology and conservation of the marbled murrelet. U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station, Albany, California. General Technical Report PSW-152. Pp.223-246.
- Burnham, K.P., D.R. Anderson, and G.C. White. 1994. Estimation of vital rates of the northern spotted owl. In U.S. Department of Agriculture, and U.S. Department of the Interior. Final supplemental environmental impact statement on management of habitat for latesuccessional and old-growth forest related species within the range of the northern spotted owl. Interagency SEIS Team, Portland, Oregon. Vol. 2, Appendix J. Pp. J3-J26.
- Burt, W.H. and R.P. Grossenheider. 1980. A field guide to the mammals. Houghton Mifflin Co., Boston, Massachusetts.
- Burton, K.B., and R.M. Little. 1997. Instream flow regulation and steelhead (Oncorhynchus mykiss) redd protection: a case study in adaptive management. Proceedings of AWWA Water Resources Conference, Seattle, Washington. 1:409-423.
- Bury, R.B. 1988. Habitat relationships and ecological importance of amphibians and reptiles. Pages 61-76 in K.J. Raedeke (ed.). Streamside management, riparian wildlife and forestry interactions. Contribution No. 59, Institute of Forest Resources, University of Washington, Seattle, Washington.
- Bury, R.B., and P.S. Corn. 1988. Responses of aquatic streamside amphibians to timber harvest: a review. Pages 165-181 in K.J. Raedeke (ed.). Streamside management, riparian wildlife and forestry interactions. Contribution No. 59, Institute of Forest Resources, University of Washington, Seattle, Washington.
- Bury, R.B., P.S. Corn, C.K. Dodd, Jr., R.W. McDarmid, and N.J. Scott, Jr. 1995. Amphibians. Pp. 124-126 in Our living resources. USDI National Biological Service, Washington, D.C.

- Buskirk, S.W., and L.F. Ruggiero. 1994. American marten. Pages 7-37 *in* Ruggiero, L.F., K.B. Aubry, S.W. Buskirk, L. Jack Lyon, and W.J. Zielinski (eds.). The scientific basis for conserving forest carnivores: American marten, fisher, lynx, and wolverine in the western United States. Gen. Tech. Rep. RM-254. USDA Forest Service, Rocky Mountain Forest and Range Exp. Sta., Ft. Collins, Colorado. 183 pp.
- Buskirk, S.W., and R.A. Powell. 1994. Habitat ecology of fishers and American martens. Pp. 283-296 *in* Buskirk, S.W., A.S. Harestad, M.G. Raphael, and R.A. Powell (eds.). Martens, sables, and fishers: biology and conservation. Cornell University Press, Ithaca, New York. 684 pp.
- Buskirk, S.W., S.C. Forrest, M.G. Raphael, and H.J. Harlow. 1989. Winter resting site ecology of marten in the central Rocky Mountains. J. Wildl. Manage. 53(1):191-196.
- Butler, R.W. 1992. Great blue heron (*Ardea herodias*). No. 25 *in* Poole, a., and F. Gill (eds.). The birds of North America. The American Ornithologists' Union. Philadelphia: The Academy of Natural Sciences, Washington, D.C.
- Butts, T.W. 1992. Wolverine (*Gulo*) biology and management: a literature review and annotated bibliography. U.S. Department of Agriculture, Forest Service, Northern Region: Threatened, Endangered, and Sensitive Species Program.
- Calambokidis, J., S.M. Speich, J. Peard, G.H. Steiger, J.C. Cubbage, D.M. Fry, and L.J. Lowenstine. 1985. Biology of Puget Sound marine mammals and marine birds: population health and evidence of pollution effects. National Oceanic and Atmospheric Administration Tech. Memorandum NOS. OMA 18.
- Campbell, S., and L. Liegel. 1996. Disturbance and forest health in Oregon and Washington. Gen. Tech. Rep. PNW-GTR-381. U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station and Pacific Northwest Region; Oregon Department of Forestry; and Washington Department of Natural Resources. Portland, Oregon. 105 pp.
- Carey, A.B. 1985. A summary of the scientific basis for spotted owl management. *In* R.J. Gutierrez and A.B. Carey (eds.). Ecology and management of the spotted owl in the Pacific Northwest. U.S. Department of Agriculture, Forest Service, Pacific Northwest Range and Experiment Station, Portland, Oregon. General technical report PNW-185. Pp. 100-114.
- Carey, A.B. 1995. Sciurids in Pacific Northwest managed and old-growth forests. Ecological Applications 5:648-661.
- Carey, A.B, and R.O. Curtis. 1996. Conservation of biodiversity: a useful paradigm for forest ecosystem management. Wildlife Society Bulletin 24:610-620.
- Carey, A.B., and M.H. Johnson. 1995. Small mammals in managed, naturally young, and old-growth forests. Ecological Applications 5:336-350.
- Carey, A.B., C. Elliot, B. R. Lippke, J. Sessions, C. J. Chambers, C. D. Oliver, J. F. Franklin, and M. J. Raphael. 1995. A pragmatic, ecological approach to small-landscape management. Final report of the biodiversity pathways working group of the Washington Landscape Management Project. 142 pp.
- Carey, A.B., M.M.Hardt, S.P. Horton, and B.L. Biswell. 1991. Spring bird communities in the Oregon Coast Range. Pp. 123-142 in L.F. Ruggiero, K.B. Aubry, A.B. Carey, and M.M. Huff (tech. coords.). Wildlife and vegetation of unmanaged Douglas-fir forests. Gen. Tech. Rep. PNW-GTR-285. U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station. Portland, Oregon. 533 pp.

- Carl, L.M, and M.C. Healey. 1984. Differences in enzyme frequency and body morphology among three life history types of chinook salmon (Oncorhynchus tshawytscha) in the Nanaimo River, British Columbia. Can. J. Fish. Aquat. Sci. 41:1070-1077.
- Carter, H.R. 1984. At-sea biology of the marbled murrelet (Brachyramphus marmoratus) in Barkley Sound, British Columbia. M.S. Thesis. University of Manitoba, British Columbia. 143 pp.
- Carter, H.R., and R.A. Erickson. 1992. Status and conservation of the marbled murrelet in California, 1982-1987. In H.R. Carter and M.L. Morrison (eds.). Status and conservation of the marbled murrelet in North America. Western Foundation of Vertebrate Zoology 5(1):92-108.
- Carter, M., and K. Barker. 1993. An interactive database for setting conservation priorities for western neotropical migrants. Pp. 120-144 in D.M. Finch and P.W. Stangel (eds.). Status and management of neotropical migratory birds. U.S. Department of Agriculture, Forest Service, General Technical Report RM-229.
- Cascade Center for Ecosystem Management. 1995. Residual trees as biological legacies. Volume 26:2-13.
- Cascades Environmental Services, Inc. 1991. Final report: Cedar River instream flow and salmonid habitat utilization study. Report prepared for Seattle Water Department, Seattle, Washington, by Cascades Environmental Services, Inc., Bellingham, Washington.
- Cascades Environmental Services, Inc. 1995. Cedar River fall chinook and sockeye salmon run timing. Report to the Cedar River Instream Flow Committee. 26 pp.
- Cassirer, E.F., and C.R. Groves. 1989. Breeding ecology of harlequin ducks (Histrionicus histrionicus) of the Kaniksu National Forest, Idaho. Idaho Department of Fish and Game, Boise, Idaho.
- Cassirer, E.F., and C.R. Groves. 1990. Distribution, habitat use, and status of harlequin ducks in northern Idaho. Idaho Fish and Game.
- Castleberry, D.T., J.J. Cech, Jr., D.C. Erman, D. Hankin, M. Healey, G.M. Kondolf, M. Mangel, M. Mohr, P.B. Moyle, J. Nielsen, T.P. Speed, and J.G. Williams. 1996. Uncertainty and instream flow standards. Fisheries 21(8) 20-21.
- Cavender, T.M. 1978. Taxonomy and distribution of the bull trout, Salvelinus confluentus (Suckley), from the American Northwest. California Fish and Game 64:139-174.
- Cedar River Watershed. 1997. Habitat conservation plan agreement in principle. City of Seattle, Washington. Vol. 1.
- Cederholm, C.J., L.G. Dominquez, and T.W. Bumstead. 1996. Rehabilitation of stream channels and fish habitat using large woody debris. Towards sustainable fisheries: balancing conservation and use of salmon and steelhead in the Pacific Northwest. Victoria, British Columbia, Canada. 32 pp.
- Cederholm, C. J., D. B. Houston, D. L. Cole and W. J. Scarlett. 1989. Fate of coho salmon (Oncorhynchus kisutch) carcasses in spawning streams. Can. J. Aquat. Sci., 46:1347-
- Cederholm, C.J., L.M. Reid, and E.O. Salo. 1981. Cumulative effects of logging road sediment on salmonid populations in the Clearwater River, Jefferson County, Washington, Pages 38-74 in Proceedings, conference on salmon spawning gravel: a renewable resource in the Pacific Northwest. Washington State University, Water Research Center Report 39, Pullman.

- Chambers, J.S., G.H. Allen, and R.T. Pressey. 1955. Research relating to study of spawning grounds in natural areas annual report 1955. Report to U.S. Army Corps of Engineers by Washington State Department of Fisheries, Olympia, Washington. 175 pp.
- Chapman, D.W., and T.C. Bjornn. 1969. Distribution of salmonids in streams, with specieal reference to food and feeding. Pp. 153-176 *in* T. G. Northcote (ed.). Symposium on salmon and trout in streams. H. R. MacMillan Lectures in Fisheries. Institute of Fisheries, University of British Columbia, Vancouver, British Columbia. 388 pp.
- Chapman, D.W., D.E. Weitcamp, T.L. Welsh, M. B. Dell, and T.H. Schadt. 1986. Effects of river flow on the distribution of chinook salmon redds. Trans. Am. Fish Soc. 115:537-547.
- Chen, J., J.F. Franklin, and T.A. Spies. 1993. Contrasting microclimates among clearcut, edge and interior of old-growth forest. Agricultural and Forest Meteorology 63:219-237.
- Chereshnev, I.A. and M.B. Skopets. 1992. A new record of the pygmy whitefish, *Prosopium coulteri*, from the Amguem River Basin (Chukotski Peninsula). Journal of Ichthyology 32(4):46-55.
- Chigbu, P., and T.H. Sibley. 1994. Diet and growth of longfin smelt and juvenile sockeye salmon in Lake Washington. Verh. Internat. Verein. Limnol. 25:2086-2091.
- Christy, R.E., and S.D. West. 1993. Biology of bats in Douglas-fir forests. U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, Portland, Oregon. General Technical Report PNW-308. 28 pp.
- Chrzastowski, M. 1983. Historical changes to Lake Washington and route of the Lake Washington ship canal, King County, Washington. Department of the Interior. U.S. Geological Survey, Water Resources Investigation Report. WRI 81-1182.
- Clay, C.H. 1961. Design of Fishways and Other Fish Facilities. Canadian Department of Fisheries, Ottawa, Canada. 301 pp.
- Cline, S.P., A.B. Berg, and H.M. Wight. 1980. Snag characteristics and dynamics in Douglas-fir forests, western Oregon. J. Wildl. Manage. 44:773-786.
- Close, David A., et. al., 1995. Status Report of the Pacific Lamprey (*Lampreta tridentata*) in the Columbia River Basin. Bonneville Power Admin., Portland, OR., Project No. 94-026.
- Cobb, J.N. 1917. Pacific salmon fisheries: Appendix III to the Report of the U.S. Commissioner of Fisheries for 1916. U.S. Department of Commerce, Bureau of Fisheries, Document No. 839, p.11.
- Collings, M.R. 1974. Generalizations of Spawning and Rearing Discharges for Several Pacific Salmon Species in Western Washington. United States Geological Survey, United States Department of the Interior. Open-File report. Tacoma, Washington. 39 pp.
- Collings, M.R., R.W. Smith, and G.T. Higgins. 1970. The hydrology of four streams in western Washington as related to several pacific salmon species. U.S. Geological Survey. Open-File Report. Tacoma, Washington. 158 pp.
- Congelton, J.L., S.R. Foley, H.J. Fuss, and J.G. Osborn. 1977. Observation on the natural history of fishes in Tolt Reservoir and Walsh Lake. Washington Cooperative Fishery Research Unit. College of Fisheries. University of Washington, Seattle, Washington.
- Conroy, S.C. 1997. Habitat lost and found. Washington Trout Report 7(1):1,16-22.
- Constantine, D.G. 1996. Ecological observations on lasiurine bats in Iowa. J. Mammal. 47:34-41.

- Corkran, C.C., and C. Thoms. 1996. Amphibians of Oregon, Washington, and British Columbia; a field identification guide. Lone Pine Publ., Edmonton, Alberta, Canada. 175 pp.
- Corn, J.G., and M.G. Raphael. 1992. Habitat characteristics at marten subnivean access sites. J. Wildl. Manage. 56: 442-448.
- Corn, P.S., and R.B. Bury. 1989. Logging in western Oregon: responses of headwater habitats and stream amphibians. Forest Ecology and Management. 29:1-19.
- Cottam, C. 1939. Food habits of North American diving ducks. U.S. Department of Agriculture Tech. Bull. 643. 140 pp.
- Covington, W.W., and L.F. DeBano (eds.). 1993. Sustainable ecological systems: implementing and ecological approach to land management. July 12-15, 1993; Flagstaff, Arizona. Gen. Tech. Rep. RM-247. U.S. Department of Agriculture, Forest Service. Rocky Mountain Forest and Range Experiment Station. Fort Collins, Colorado.
- Cowan, I.M., and C.J. Guiguet. 1965. The mammals of British Columbia. British Columbia Provincial Museum, Department of Recreation and Conservation, Handbook No. 11. 414 pp.
- Craig, G. 1986. The peregrine falcon. Pp. 807-826 *in* R.L. Di Silvestro (ed.). Audubon wildlfe report. National Audubon Society, New York, New York.
- Craighead, J.J. and J.A. Mitchell. 1982. Grizzly Bear (*Ursus arctos*). Pp. 515-556 *in* Chapman, J.A. and G.A. Feldhamer (eds.). Wild mammals of North America. The Johns Hopkins University Press: Baltimore, Maryland.
- Craighead, J.J., J.S. Sumner, and G.B. Scaggs. 1982. A definitive system for analysis of grizzly bear habitat and other wilderness resources. Wildlife-Wildlands Institute Monogr. No. 1. University of Montana Foundation, University of Montana, Missoula.
- Crandell, D.R. 1965. The glacial history of western Washington and Oregon. *In* Wright, H.E., Jr., and D.G. Frey (eds.). The quaternary of the United States. Princeton University Press, Princeton, New Jersey. 922 pp.
- Crawford, B.A. 1979. The origin and history of the trout brood stocks of the Washington Department of Game. Washington State Game Department, Fishery Research Report. 76 pp.
- Crisafulli, C.M. 1998. Draft survey protocol for Larch Mountain salamander (Plethodon larselli). USDA Forest Service, Pacific Northwest Research Station. 24 pp.
- Cross, S.P. 1977. A survey of the bats of Oregon Caves National Monument. Unpubl. Rep. to National Park Service (Contract CX-9000-6-0061). 40 pp.
- Cross, S.P., and A.E. Kerwin. 1995. Survey of bats and their habitats in the Winema National Forest and Lakeview BLM (Klamath Resource Area) in 1994. Department of Biology, Southern Oregon State College, Ashland, Oregon. 45 pp.
- Cross, S.P., and C. Schoen. 1989. Bats at Oregon Caves: 1988 status report. Unpubl. Rep. to USDA National Park Service. 25 pp.
- Cross, S.P., and D. Walden. 1994. Inventory and monitoring of bats on the Medford District of the BLM in 1993. Department of Biology, Southern Oregon State College, Ashland, Oregon. 45 pp.
- Cross, S.P., and D. Walden. 1995. Survey of bats and their habitats in the Roseburg District of the BLM in 1994. Department of Biology, Southern Oregon State College, Ashland, Oregon. 64 pp.

- Cross, S.P., ed. 1976. A survey of bat populations and their habitat preferences in southern Oregon. A student originated studies project funded by the National Science Foundation. Southern Oregon State College, Ashland, Oregon. 89 pp.
- Cupp, C.E., and J. Metzler. 1995. Stream channel and fish habitat assessment. Prepared for Seattle Water Department, King County, Washington. Terrapin Environmental, Duvall, Washington. Submitted by Foster Wheeler Environmental Corporation, Bellevue, Washington.
- Curtis. R.O. 1993. Rotations, public perceptions, and yields. Pp. 62-73 in J.F. Weigand, R.W. Haynes, and J.L. Kikowski (eds.) High quality forestry workshop: the idea of long rotations. Proceedings of a workshop held May 10-12, 1993, Silver Falls State Park, Oregon. College of Forest Resources, University of Washington, Seattle, Washington.
- Darda, D.M. 1995. The Larch Mountain salamander, *Plethodon larselli*, on the Cle Elum Ranger District, Wenatchee National Forest. Report to the USDA Forest Service. 24 pp.
- Darwin, L.H. 1916. First and second annual reports of the chief game warden to the Governor of the State of Washington: June 12, 1913, to February 28, 1915. State of Washington, Department of Fish and Game. Olympia, Washington.
- Daugherty, C.H., and A.L. Sheldon. 1982. Age-determination, growth, and life history of a Montana population of the tailed frog (*Ascaphus truei*). Herpetologica 38:461-468.
- Davis, M. 1997. Bat usage of a major karst area on northern Vancouver Island. Final Report to Science Council of British Columbia. 17 pp.
- De Graaf, R.M. et al. 1991. Forest and rangeland birds of the United States: natural history and habitat use. Agriculture Handbook No. 688. USDA Forest Service, Washington, D.C. 625 pp.
- Defenders of Wildlife. 1998. Frayed safety nets: conservation planning under the Endangered Species Act. Defenders of Wildlife. Washington, DC. 115 pp.
- DeGraaf, R.M., et al. 1991. Forest and rangeland birds of the United States: Natural history and habitat use. Agriculture Handbook No. 688. USDA Forest Service, Washington, D.C. 625 pp.
- Desante, D.F., and T.L. George. 1994. Population trends in the landbirds of North America. Pp. 173-190 *in* Jehl, J.R., Jr., and N.K. Johnson (eds.). A century of avifaunal change in western North America. Studies in avian biology, no. 15. Cooper Ornithological Society, San Diego, California. 348 pp.
- DeVlaming, V.L., and R.B. Bury. 1970. Thermal selection in tadpoles of the tailed frog, *Ascaphus truei*. J. Herpetol. 4:179-189.
- DeVos, A. 1951. Recent findings in fisher and marten ecology and management. Trans. N. Am. Wildl. Conf. 16:498-507.
- Di Castri, F. (ed.). 1996. Biodiversity, science and development towards a new partnership. Cab International, Paris, France. 646 pp.
- Didier, A.J. 1990. A review of steelhead stock status, harvest patterns, enhancement, and migrations in Southeast Alaska. A report presented to Pacific Salmon Commission Northern Panel. Alaska Department of Fish, Juneau, Alaska. 35 pp.
- Diller, L.V., and R.L. Wallace. 1996. Distribution and habitat of *Rhyacotriton variegatus* in managed, young growth forests in north coastal California. J. Herpetol. 30(2):184-191.

- Divoky, G.J., and M. Horton. 1995. Breeding and natal dispersion, nest habitat loss and implications for marbled murrelet populations. *In* C.J. Ralph, G.L. Hunt, Jr., M.G. Raphael, and J.F. Piatt (eds.). Ecology and conservation of the marbled murrelet. U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station, Albany, California. General Technical Report PSW-152. Pp. 83-87.
- Dobkin, D.S. 1994. Conservation and management of neotropical migrant landbirds in the Northern Rockies and Great Plains. University of Idaho Press, Moscow, Idaho.
- Douglas, C.W., and M.A. Strickland. 1987. Fisher. Pp. 511-529 *in* Novak, M., J.A. Baker, M.E. Obbard, and B. Malloch (eds.). Wild furbearer management and conservation in North America. Ontario Ministry of natural resources and the Ontario Trappers Association. 1150 pp.
- Dvornich, K.M., K.R. McAllister, and K.B. Aubry. 1997. Amphibians and reptiles of Washington State: location data and predicted distributions. Volume 2 in Cassidy, K.M., C.E. Grue, M.R. Smith, and K.M. Dvornich (eds.). Washington State Gap Analysis Final Report. Washington Cooperative Fish and Wildlife Research Unit, University of Washington, Seattle, Washington. 146 pp.
- Egtvedt, L.H., and D.A. Manuwal. 1988. Documentation of spotted owls and interspecific relationships among forest owls in the Cedar River Watershed. Final Report to Seattle Water Department. College of Forest Resources, University of Washington, Seattle. 45 pp.
- Ehrlich, P.R., D.S. Dobkin, and D. Wheye. 1988. The Birder's Handbook. Simon and Schuster, New York. 784 pp.
- Emmingham, B., and D. Hibbs. 1996. Riparian area silviculture in western Oregon. *In* 10th International stream habitat improvement: Salmonid habitat: operational solutions to problems in forested streams. August 19-22, 1996. LaSells Stewart Center, Corvalis, Oregon.
- Emmingham, B., and D. Hibbs. 1997. Riparian area silviculture in western Oregon: research results and perspectives, 1996. COPE Report. 10(1 and 2):24-27.
- Ernst, C.H., and R.W. Barbour. 1972. Turtles of the United States. The University Press of Kentucky, Lexington, Kentucky. 347 pp.
- Eschmeyer, P. H., and R. M. Bailey. 1954. The pygmy whitefish, *Coregonus coulteri*, in Lake Superior. Transactions of the American Fisheries Society 84:161-199.
- Evenden, F.G., Jr. 1948. Distribution of the turtles of western Oregon. Herpetologica 4:201-204.
- Everest, F.H. 1973. Ecology and management of summer steelhead in the Rogue River. Oregon State Game Commission. Fish. Res. Rep. 7. 48 pp.
- EVS Consultants. 1984. Morse Lake/Masonry Pool fishery investigations. Project 134-1. Prepared for URS Engineers. EVS Consultants, Seattle, Washington.
- Faler, M.P. 1995. An evaluation using a mark-recapture population estimator as a monitoring tool for an adfluvial bull trout population. Aqua-Talk. R-6 Fish Habitat Relationship Technical Bulletin #9. USDA Forest Service, Carson, Washington.
- Fast, D.E. 1987. The behavior of salmonid alevins in response to changes in dissolved oxygen, velocity, and light during incubation. Ph.D. Dissertation. University of Washington, Seattle, Washington. 127 pp.

- Fausch, K.D., and T.G. Northcote. 1992. Large woody debris and salmonid habitat in a small coastal British Columbia stream. Canadian Journal of Fisheries and Aquatic Sciences 49:682-693.
- Fitzpatrick, M.S., D.A. Close, and H.W. Li. 1996. Part (C) Adult passage research *in* Pacific lamprey research and restoration annual report 1996. Project number 94-026. Prepared for U.S. Department of Energy, Bonneville Power Administration Division of Fish and Wildlife.
- Foerster, K.S., and C.T. Collins. 1990. Breeding distribution of the black swift in southern California. Western Birds 21:1-9.
- Foerster, R.E. 1968. The Sockeye Salmon. Bulletin 162. Fisheries Research Board of Canada. Ottowa. 422pp.
- Forest Ecosystem Management Assessment Team. 1993. Forest ecosystem management: an ecological, economic, and social assessment. Portland, Oregon: USDA Forest Service, USDI Fish and Wildlife Service, USDI National Park Service, USDI Bureau of Land Management, U.S. Department of Commerce, National Oceanic and Atmospheric Administration National Marine Fisheries Service, U.S. Environmental Protection Agency.
- Forsman, E.D. 1980. Habitat utilization by spotted owls in west-central Cascades of Oregon. PhD Dissertation. Oregon State University, Corvallis, Oregon. 95 pp.
- Forsman, E.D. 1981. Habitat utilization by spotted owls on the Eugene District of the Bureau of Land Management. Technical Report. U.S. Department of the Interior, Bureau of Land Management, Portland, Oregon. 63 pp.
- Forsman, E.D., E.C. Meslow, and H.M. Wight. 1984. Distribution and biology of the spotted owl in Oregon. Wildlife Society, Bethesda, Maryland. Wildlife Monographs, No. 87, 64 pp.
- Foster Wheeler Env. Corp. 1995a. Cedar River Watershed Conservation Biology Workshops: Meeting Minutes - August 24, 1995 and October 16, 1995. Prepared for Seattle Water Department, King County, Washington. Foster Wheeler Environmental Corporation, Bellevue, Washington.
- Foster Wheeler Env. Corp. 1995b. Watershed assessment modules and methodologies. Prepared for Seattle Water Department, King County, Washington. Foster Wheeler Environmental Corporation, Bellevue, Washington.
- Foster Wheeler Env. Corp. 1995c. Mass wasting and surface erosion assessment. Prepared for Seattle Water Department, King County, Washington. Foster Wheeler Environmental Corporation, Bellevue, Washington.
- Foster Wheeler Env. Corp. 1995d. Cedar River Watershed bull trout workshop: meeting minutes November 18, 1994. Prepared for Seattle Water Department, King County, Washington. Foster Wheeler Environmental Corporation, Bellevue, Washington.
- Fraker, M.A. 1994. California sea lions and steelhead trout at the Chittenden Locks, Seattle, Washington. Report to Marine Mammal Commission, Washington, D.C.
- Fraley, J.J., and B.B. Shepard. 1989. Life history, ecology and population status of migratory bull trout (*Salvelinus confluentus*) in the Flathead Lake and River system, Montana. Northwest Science 63(4):133-143.
- Franklin, J.F, and T.A. Spies. 1984. Characteristics of old-growth Douglas-fir forests. Pp. 327-333 *in* New forests for a changing world. Proceedings of 1983 convention of the Society of American Foresters. Bethesda, Maryland.

- Franklin, J.F. 1989. Towards a new forestry. America Forests, November/December 1989. Pp. 37-44.
- Franklin, J.F. 1990. Thoughts on applications of silvicultural systems under new forestry. Forest Watch, January/February 1990. Pp. 8-11.
- Franklin, J.F. 1992. Scientific basis for new perspectives in forests and streams. Pp. 25-72 *in* Naiman, R.J. (ed.). Watershed management: balancing sustainability and environmental change. Springer-Verlag, New York, New York.
- Franklin, J.F., and C.T. Dyrness. 1973. Natural Vegetation of Oregon and Washington. USDA Forest Service Gen. Tech. Rep. PNW-8. Pacific Northwest Forest and Range Experiment Station, Portland, Oregon. U.S. Government Printing Office, Washington, D.C. 20402 (Stock No. 0101-00329). 417 pp.
- Franklin, J.F., and R.T.T. Forman. 1987. Creating landscape patterns by forest cutting: ecological consequences and principles. Landscape Ecology 1(1):5-18.
- Franklin, J.F., and T.A. Spies. 1991. Composition, function, and structure of old-growth Douglas-fir forests. Pp. 71-80 *in* L.F. Ruggiero, K.B. Aubry, A.B. Carey, and M.M. Huff (tech. coords.). Wildlife and vegetation of unmanaged Douglas-fir forests. Gen. Tech. Rep. PNW-GTR-285. U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station. Portland, Oregon.
- Franklin, J.F., F.J. Swanson, M.E. Harmon, D.A. Perry, T.A. Spies, V.H. Dale, A. McKee, W.K. Ferrell, S.V. Gregory, J.D. Lattin, T.D. Schowalter, D. Larsen, and J.E. Means. 1991. Effects of global climate change on forests in the northwestern North America. Northwest Environmental Journal 7:233-254.
- Franklin, J.F., K. Cromack, Jr., W. Denison, et al. 1981. Ecological characteristics of old-growth Douglas-fir forests. Gen. Tech. Rep. PNW-118. U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station. Portland, Oregon. 48 pp.
- Franklin, J.F., S.A. Perry, T.D. Schowalter, M.E. Harmon, A. McKee, and T.A. Spies. 1989.
 Importance of ecological diversity in maintaining long-term site productivity. Pp. 82-97
 in Perry, D.A., E. Meurisse. B. Thomas, R. Miller, J. Boyle, J. Means, C.R. Perry, and R.F. Powers (eds.). Maintaining the long-term productivity of Pacific Northwest forest ecosystems. Timber Press. Portland, Oregon.
- Fresh, K.L. 1994. Lake Washington fisheries: a historical perspective. Lake and Reservoir Management. 9(1):52-55. *In* Proceeding of the 13th International Symposium of the North American Lake Management Society. Seattle, Washington, November 29-December 4, 1993.
- Fresh, K.L. 1997. The role of competition and predation in the decline of Pacific salmon and steelhead. Pp. 245-275 *in* D.J. Stouder, P.A. Bisson, R. J. Naiman (eds.). Pacific salmon and their ecosystems. Chapman and Hall, New York, New York.
- Frest, T.J., and E.J. Johannes. 1993. Mollusc species of special concern within the range of the Northern Spotted Owl. Prepared for Forest Ecosystem Management Working Group, U.S. Department of Agriculture, Forest Service, Pacific Northwest Region, Portland, Oregon. 98 pp.
- Frissell, C.A. 1993. A new strategy for watershed restoration and recovery of Pacific salmon in the Pacific Northwest. Report prepared for the Pacific Rivers Council. 33 pp.
- Frissell, C.A., and D. Bayles. 1993. Ecosystem management and the conservation of aquatic biodiversity and ecological integrity. Water Resources Bulletin 32(2):229-240.

- Frissell, C.A., W.J. Liss, C.E. Warren, and M.D. Hurley. 1986. A hierarchical framework for stream habitat classification: viewing streams in a watershed context. Environmental Management 10:199-214.
- Frizzell, V.A., Jr., R.W. Tabor, D.B. Booth, K.M. Ort, and R.B. Waitt, Jr. 1984. Preliminary Geology Map of the Snoqualmie Pass 1:100,000 Quadrangle, Washington; U.S. Geological Survey Open-File Map OF-84-693.
- Fry, D.H., Jr. 1973. Anadromous fishes of California. California Department of Fish and Game. 111 pp.
- Furlonger, C.L., H.J. Dewar, and M.B. Fenton. 1987. Habitat use by foraging insectivorous bats. Can. J. Zoology 65:284-88.
- Furniss, M.J., T.D. Roelofs, and C.S. Yee. 1991. Road construction and maintenance. Chapter 8. *In* W. R. Meehan (ed.). Influences of forest and rangeland management on salmonid fishes and their habitats. American Fisheries Society Special Publication 19. Bethesda, Maryland.
- Gaines, W.L., and R.E. Fitzner. 1987. Winter diet of the harlequin duck at Sequim Bay, Puget Sound, Washington. Northwest Science 61:213-215.
- Ganssle, D. 1966. Fishes and decapods of San Pablo and Suisun Bays, in Ecological studies of the Sacramento-San Joaquin Estuary, Part I, (D. W. Kelley, comp.). California Dep. Fish Game Fish Bull. 133:64-94.
- Gauvin, C. F. 1997. Water-management and Water-Quality decision Making in the Range of Pacific Salmon Habitat. Pp 389-409 *In:* D. J. Stouder, P.A. Bisson, and R. J. Naiman. (eds.). Pacific Salmon and Their Ecosystems. Chapman and Hall, New York, NY.
- Gilbert, F.F., and R. Allwine. 1991a. Spring bird communities in the Oregon Cascade range. Pp. 145-160 *in* L.F. Ruggiero, K.B. Aubry, A.B Carey, and M.H. Huff (tech. coords.). Wildlife and vegetation of unmanaged Douglas-fir forests. Gen. Tech, Rep. PNW-285. USDA Forest Service, Pacific Northwest Research Sta., Portland, Oregon. 533 pp.
- Gilbert, F.F., and R. Allwine. 1991b. Terrestrial amphibian communities in the Oregon Cascade Range. Pp. 318-324 *in* Ruggiero, L.F., K.B. Aubry, A.B. Carey, M.H. Huff (tech. coords.). Wildlife and vegetation of unmanaged Douglas-fir forests. Gen. Tech. Rep. PNW-GTR-285. Pacific Northwest Research Station, U.S. Department of Agriculture, Forest Service, Portland, Oregon.
- Gilpin, M.E., and M.E. Soule. 1986. Minimum viable populations: processes of species exinction. Pp. 19-34 *in* M.E. Soule (ed.). Conservation biology. Sinauer Associates, Sunderland, Massachusetts.
- Goetz, F.A. 1991. Bull trout life history and habitat study. Final Report USFS Contract 43-04GG-9-1371, Deschutes National Forest. Department of Fisheries and Wildlife, Oregon State University, Corvallis, Oregon.
- Goetz, F.A., 1989. Biology of the bull trout, a literature review. U.S. Department of Agriculture, Willamette National Forest, Eugene, Oregon. 53 pp.
- Goetz, F.A., J.J. Dawson, T. Shaw, and J. Dillon. 1997. Evaluation of low frequency underwater sound emitters for guiding salmon and steelhead smolts away from a navigation lock at the Hiram M. Chittenden Locks, Seattle, Washington. A Report to the Portland District, U.S. Army Corps of Engineers. Study Code: SBC-96-6, Draft Report January 15, 1997. 58 pp.

- Goggans, R., R.D. Dixon, and L.C. Seminara. 1989. Habitat use by three-toed and black-backed woodpeckers. Deschutes National Forest Nongame Report 87-3-02. Oregon Department of Fish and Wildlife. 43 pp.
- Gomez, D.M. 1992. Influence of riparian and upslope vegetation on small mammal and herpetofaunal abundance in five forest types. Oregon State University. M.S. Thesis. Corvallis, Oregon. 118 pp.
- Graham, R.E. 1966. Observations on the roosting habits of the big-eared bat, *Plecotus townsendii*, in California limestone caves. Cave Notes 8(3):17-22.
- Gregory, S. V. and P. A. Bisson. 1997. Degradation and Loss of Anadromous Salmonid Habitat in the Pacific Northwest. Pp 277-314 *In*: D. J. Stouder, P.A. Bisson, and R. J. Naiman. (eds.). Pacific Salmon and Their Ecosystems. Chapman and Hall, New York, NY.
- Greeley, J.R. 1932. The spawning habits of brook, brown, and rainbow trout and the problems of egg predators. Trans. Am. Fish. Soc. 62:239-248.
- Green, D.M., T.F. Sharbel, J.Kearsley, and H. Kaiser. 1996. Postglacial range fluctuation, genetic subdivision and speciation in the western North Amerian spotted frog complex, *Rana pretiosa*. Evolution 50:374-390.
- Grinnell, J., J.S. Dixon, and J.M. Linsdale. 1937. Furbearing mammals of California. Vol. 1. University California Press, Berkeley. 375 pp.
- Groot, C., and L. Margolis (eds.). 1991. Pacific salmon life histories. University of British Columbia Press, Vancouver, British Columbia. 564 pp.
- Grubb, T.G. 1976. A survey and analysis of bald eagle nesting in western Washington. M.S. Thesis. University of Washington, Seattle, Washington. 87 pp.
- Grumbine, R.E. 1994. What is ecosystem management? Conservation Biology 8(1):27-38.
- Guiterrez, R.J., and A.B. Carey (eds.). 1985. Ecology and management of the spotted owl in the Pacific Northwest. Proceedings of a symposium; June 19-23; Arcata, California. Gen. Tech. Rep. PNW-185. Portland, Oregon, U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station. 119 pp.
- Gustafson, D.L. 1995. Aquatic Invertebrates of Montana: Plecoptera. http://rivers.oscs.montana.edu/dlg/aim/plecop/plecop.html
- Gustafson, R.G., T.C. Wainwright, G.A. Winans, F.W. Waknitz, L.T. Parker, and R.S. Waples. 1997. Status Review of Sockeye Salmon from Washington and Oregon. U.S. Department of Commerce, NOAA Technical Memorandum NMFS-NWFSC-33.
- Haas, G.R. and J.D. McPhail. 1991. Systematics and distributions of Dolly Varden (*Salvelinus malma*) and bull trout (*Salvelinus confluentus*) in North America. Canadian Journal of Fisheries and Aquatic Sciences 48:2191-2211.
- Hagmeier, E.M. 1956. Distribution of marten and fisher in North America. Can. Field-Nat. 70:149-168.
- Hallock, M., and P.E. Mongillo. 1998. Washington State status report for the pygmy whitefish. Washington Department of Fish and Wildlife, Olympia, Washington. 20 pp.
- Hallock, R.J., and D.H. Fry, Jr. 1967. The five species of salmon, *Oncorhynchus*, in the Sacramento River, California. Calif. Fish Game 53:5-22.

- Hamer, T.E. 1995. Inland habitat associations of marbled murrelets in western Washington. *In C.J.* Ralph, G.L. Hunt, Jr., M.G. Raphael, and J.F. Piatt (eds.). Ecology and conservation of the marbled murrelet. U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station, Albany, California. General Technical Report PSW-152. Pp.163-175.
- Hamer, T.E., and E.B. Cummins. 1991. Relationship between forest characteristics and the use of inland sites by marbled murrelets in northwestern Washington: draft report. Washington Department of Wildlife, Wildlife Management Division, Nongame Program, Olympia, Washington. 47 pp.
- Hamer, T.E., and S.K. Nelson. 1995a. Nesting chronology of the marbled murrelet. *In* C.J. Ralph,
 G.L. Hunt, Jr., M.G. Raphael, and J.F. Piatt (eds.). Ecology and conservation of the
 marbled murrelet. U.S. Department of Agriculture, Forest Service, Pacific Southwest
 Research Station, Albany, California. General Technical Report PSW-152. Pp. 49-56.
- Hamer, T.E., and S.K. Nelson. 1995b. Characteristics of marbled murrelet nest trees and nesting stands. *In* C.J. Ralph, G.L. Hunt, Jr., M.G. Raphael, and J.F. Piatt (eds.). Ecology and conservation of the marbled murrelet. U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station, Albany, California. General Technical Report PSW-152. Pp. 69-82.
- Hamer, T.E., S.G. Seim, and K.R. Dixon. 1989. Northern spotted owl and northern barred owl habitat use and home range size in Washington: preliminary report. Washington Department of Wildlife, Olympia, Washington. 65 pp.
- Hansen, A.J., S.L. Garman, J.F. Weigand, S.L. Urban, W.C. McComb, and M.G. Raphael. 1995b. Alternative silvicultural regimes in the Pacific Northwest: simulations of ecological and economic effects. Ecological Applications 5(3):535-554.
- Hanson, E., D. Hays, L. Hicks, L. Young, and J. Buchanan. 1993. Spotted owl habitat in Washington: a report to the Washington Forest Practices Board. Washington Forest Practices Board, Olympia, Washington. 116 pp.
- Hard, J.J., R.P. Jones, Jr., M.R. Delarm, and R.,S. Waples. 1992. Pacific salmon and artificial propagation under the Endangered Species Act. National Marine Fisheries Service, Technical Memorandum NMFW-NWFSC-2. Seattle, Washington
- Hardisty, M.W., and I.C. Potter (eds.). 1971. The biology of lampreys. Vol. 1. Academic Press, New York.
- Harr, R.D., and R.A. Nichols. 1993. Stabilizing forest roads to help restore fish habitats: a northwest Washington example. Fisheries 18(4):18-22.
- Harris, L. D. 1984. The fragmented forest. University of Chicago Press. Chicago, Illinois. 211 pp.
- Hart, A.C., and M.B. Dell. 1986. Early oceanic migrations and growth of juvenile Pacific salmon and steelhead trout. International North Pacific Fisheries Commission Bulletin 46, I IV, pp 1-105.
- Hart, J.L. 1973. Pacific fishes of Canada. Bull. Fish. Res. Board Can. 180. 740 pp.
- Hartman, W.L., W. R. Heard, and B. Drucker. 1967. Migratory behavior of sockeye salmon fry and smolts. Journal of Fisheries Board of Canada 24:2069-2099.
- Hash, H.S. 1987. Wolverine. Pp. 575-585 *in* Novak, M., J.A. Baker, M.E. Obbard, and B. Malloch (eds.). Wild furbearer management and conservation in North America. Ontario Ministry of Natural Resources and the Ontario Trappers Association. 1150 pp.

- Hasler, A. D. 1966. Underwater guidepost: homing of salmon. University of Wisconsin Press. Madison, Wisconsin. 155 pp.
- Hatch, M.H. 1971. The beetles of the Pacific Northwest. University of Washington Publications in Biology 16:28-29.
- Hatten, J.R. 1996. Relationships between basin morphology and large woody debris in unlogged stream channels of Washington's Olympic Peninsula. Hoh Indian Tribe. 44 pp.
- Hayes, M.P. 1997. Status of the Oregon spotted frog (*Rana pretiosa* sensu stricto) in the Deschutes Basin and selected other systems in Oregon and northeasetern California with a rangewide synopsis of the species' status. Final report prepared for The Nature Conservancy under contract to the U.S. Fish and Wildlife Service, 26000 SE 98th Avenue, Suite 100, Portland, Oregon, 97266. 57 pp. plus appendices.
- Hayes, M.P., and M.R. Jennings. 1986. Decline of ranid frog species in western North America: Are bullfrogs (*Rana catesbeiana*) responsible? J. Jerpet. 20(4):490-509.
- Hays, J.B., A.R. Blaustein, J.M. Kiesecker, P.D. Hoffman, I. Pandelova, D. Coyle, and T.
 Richardson. 1996. Developmental responses of amphibians to solar and artificial UVB sources: a comparative study. Photochemistry and Photobiology 64(3):449-456.
- Healey, M.C. 1980. Utilization of the Nanaimo River estuary by juvenile chinook salmon (*Oncorhynchus tshawytscha*). Fish. Bull. (U.S.) 77:653-668.
- Healey, M.C. 1982. Catch, escapement and stock-recruitment for British Columbia chinook salmon since 1951. Can. Tech. Rep. Fish. Aquat. Sci. 1107. 77pp.
- Healey, M.C. 1982. Juvenile Pacific salmon in estuaries: the life support system. Pp. 315-341 *in* V.S. Kennedy (ed.). Estuarine comparisons. Academis Press, New York, New York.
- Healey, M.C. 1983. Coastwide distribution and oceanic migration patterns of stream- and ocean-type chinook salmon, *Oncorhynchus tshawytscha*. Canadian Field-Naturalist 97:427-433.
- Healey, M.C. 1991. Life history of chinook salmon (*Oncorhynchus tshawytscha*). Pp 312-391 inC. Groot and L. Margolis (eds.). Pacific salmon life histories. University of British Columbia Press, Vancouver, British Columbia.
- Healey, M.C., and C. Groot. 1987. Marine migration and orientation of ocean-type chinook and sockeye salmon. Pp. 298-312 *in* Dadswell et al. (eds.). Common strategies of anadromous and catadromous fishes. American Fisheries Society Symposium 1.
- Healey, M.C., and F.P. Jordan. 1982. Observation of juvenile chum and chinook and spawning chinook in the Nanaimo River, British Columbia, during 1975-1981. Can. MS Rep. Fish. Aquat. Sci. 1659. 31 pp.
- Healey, M.C., and W.R. Heard. 1984. Inter- and intra-population variation in fecundity of chinook salmon (*Oncorhynchus tshawytscha*) and its relevance to life history theory. Can. J. Fish. Aquat. Sci. 41:476-483.
- Heifetz, J., M.L. Murphy, and K.V. Koski. 1986. Effects of logging on winter habitat of juvenile salmonids in Alaska streams. North American Journal of Fish Management 6:52-58.
- Hejl, S.J. 1994. Human-induced changes in bird populations in coniferous forests in western North America during the past 100 years. Pp. 232-246 *in* Jehl, J.R., Jr., and N.K. Johnson (eds.). A century of avifaunal change in western North America. Studies in Avian Biology, no. 15. Cooper Ornithological Society, San Diego, California. 348 pp.

- Henderson, J.A. 1990. Trends in the amount of old-growth forest for the last 1000 years in western Oregon and Washington. Unpublished report, prepared at the request of Congressman R.O. Smith, November 19, 1990. 7 pp.
- Henderson, J.A. 1993. The ecological consequences of long-rotation forestry. Pp. 4-26 in
 Weigand, J.F., R.W. Haynes, and J.L. Kikowski (eds.). High quality forestry workshop:
 the idea of long rotations. Proceedings of a workshop held May 10-12, 1993, Silver Falls
 State Park, Oregon. College of Forest Resources, University of Washington, Seattle,
 Washington.
- Hendry, A.P. 1995. Sockeye salmon (*Oncorhynchus nerka*) in Lake Washington: an investigation of ancestral origins, population differentiation and local adaptation. M.S. Thesis. University of Washington, Seattle, Washington.
- Hendry, A.P., and T.P. Quinn. 1997. Variation in adult life history and morphology among Lake Washington sockeye salmon (*Oncorhynchus nerka*) populations in relation to habitat features and ancestral affinities. Can. J. Fish. Aquat. Sci. 54:75-84.
- Hendry, A.P., T.P. Quinn, and F.M. Utter. 1996. Genetic evidence for persistence and divergence of native and introduced sockeye salmon (*Oncorhynchus nerka*) within Lake Washington, Washington. Can. J. Fish. Aquat. Sci. 53:823-832.
- Henny, C.J. 1986. Osprey (*Pandion haliaetus*). U.S. Army Corps of Engineers Tech. Rep. EL-86-5.
- Herd, R.M., and M.B. Fenton. 1983. A genetic, morphological and ecological investigation of a putative hybrid zone between *Myotis lucifugus* and *Myotis yumanensis* (Chiroptera: Vespertilionidae). Can. J. Zoology 61:2020-2050.
- Herrington, R.E., and J.H. Larsen, Jr. 1987. Reproductive biology of the Larch Mountain salamander (*Plethodon larselli*). Journal of Herpetology 21(1):48-56.
- Herrington, R.E., and J.H. Larsen. 1985. Current status, habitat requirements and management of the Larch Mountain salamander *Plethodon larselli* Burns. Biological Conservation 34(2):169-179.
- Hilbourn, R. 1992. Hatcheries and the future of salmon in the Northwest. Fisheries 17:5-8.
- Hillman, T.W., and W.S. Platts. 1993. Survey plan to detect the presence of bull trout. Technical Report. Don Chapman Consultants Incorporated, Boise, Idaho.
- Hirsch, K.V., D.A. Woodby, and L.B. Astheimer. 1981. Growth of a nestling marbled murrelet. Condor 83(3):264-265.
- Hirsch, R.M. 1975. Glacial geology and geormorphology of the upper Cedar River Watershed, Cascade Range, Washington. M.S. Thesis. University of Washington, Seattle, Washington. 48 pp.
- Hitchcock, C.L., and A. Cronquist. 1990. Flora of the Pacific Northwest. University of Washington Press, Seattle, Washington. 730 pp.
- Holland, D.C. 1989. A synopsis of the ecology and current status of the western pond turtle (*Clemmys marmorata*). Unpublished Report. USDI Fish and Wildlife Service, National Ecology Research Center. Fort Collins, Colorado.
- Holland, D.C., and R.B. Bury. 1994. The western pond turtle: habitat and history. Report DOE/BP-62137-1, Bonneville Power Administration, Portland, Oregon. 302 pp.

- Holling, C.S. 1978. Adaptive environmental assessment and management. John Wiley & Sons, New York, New York.
- Holthausen, R.S., M.G. Raphael, K.S. McKelvey, E.D. Forsman, E.E. Starkey, and D.E. Seaman. 1994b. The contribution of federal and nonfederal habitat to persistence of the northern spotted owl on the Olympic Peninsula, Washington. Final report to the Reanalysis Team, U.S. Department of Agriculture, Forest Service, Washington, D.C. 75 pp.
- Holthausen, R.S., R. Anthony, K. Aubry, K. Burnett, N. Fredricks, J. Furnish, R. Lesher, E.C. Meslow, M. Raphael, R. Rosentree, and E. E. Starkey. 1994a. Final supplemental environmental impact statement on management of habitat for late-successional and old-growth forest related species within the range of the northern spotted owl; Appendix J2 results of additional species analysis. USDA Forest Service, Portland, Oregon.
- Hooton, R.S., B.R. Ward, V.A. Lewynsky, M.G. Lirette, and A.R. Facchin. 1987. Age and growth of steelhead in Vancouver Island populations. B.C. Ministry of Environment and Parks. Fish. Tech. Circ. No. 77. 39 pp.
- Hoover, R.L., and D.L. Wills (eds.). 1987. Managing forest lands for wildlife. Colorado Div. of Wildlife, Denver, Colorado.
- Hornocker, M.G., and H.S. Hash. 1981. Ecology of the wolverine in northwestern Montana. Can. J. Zool. 59:1286-1301.
- Hsu, Y.L., H.M. Engelking, and J.C. Leong. 1986. Occurrence of different types of infectious hematopoietic necrosis virus in fish. Appl. Environ. Microbiol. 53:1353-1361.
- Humphrey, S.R., and T.H. Kunz. 1976. Ecology of a Pleistocene relict, the western big-eared bat (*Plecotus townsendii*) in the southern great plains. J. Mammal. 57(3):470-494.
- Hunter, M.A. 1992. Hydropower flow fluctuations and salmonids: a review of the biological effects, mechanical causes, and options for mitigation. Technical Report No. 119. Washington Department of Fisheries, Olympia, Washington. 46 pp.
- Ingram, R. 1973. Wolverine, fisher and marten in central Oregon. Oregon State Game Comm., Central Reg. Admin. Rep. 73-2.
- Interagency Grizzly Bear Committee. 1987. Grizzly Bear Compendium. The National Wildlife Federation. Washington, D.C. 540 pp.
- Interagency Grizzly Bear Committee. 1994. Grizzly bear/motorized access management. Unpublished Report. Missoula, Montana.
- Irvine, J.R. 1986. Effects of varying discharge on the downstream movement of salmon fry, *Oncorhynchus tshawytscha* (Walbaum). J. Fish Biol. 28:17-28.
- James M. Montgomery, Inc. 1990. Cedar River sockeye project final siting report. Prepared for the Seattle Water Department, Seattle, Washington. James M. Montgomery Consulting Engineers, Inc., Bellevue, Washington.
- Jeffrey, R. 1989. The band-tailed pigeon: distribution, effects of harvest regulations, mortality rates, and habits 1968-79. Unpublished report to Washington Department of Wildlife, Olympia, Washington.
- Jennings, M.R., and M.P. Hayes. 1994. Amphibian and reptile species of special concern in California. California Department of Fish and Game, Rancho Cordova, California.
- Jensen, M.E., P. Bourgeron, R.E. Everett, and I. Goodman. 1996. Ecosystem management: a landscape ecology perspective. Water Resources Bulletin 32(2):203-216.

- Johnsgard, P.A. 1990. Hawks, eagles and falcons of North America. Smithsonian Institution Press, Washington, D.C. 403pp.
- Johnson, A.W., and J. M. Stypula (eds.). 1993. Draft guidelines for bank stabilization projects in the riverine environments of King County, King County Surface Water Management Division. King County Department of Public Works, Seattle, Washington.
- Johnson, D.J. 1993. Spotted owls, great horned owls, and forest fragmentation in the central Oregon Cascades. M.S. Thesis. Oregon State University, Corvallis, Oregon.
- Johnson, O.W., R.S. Waples, T.C. Wainwright, K.G. Neely, F.W. Waknitz, and L.T. Parker. 1994. Status review for Oregon's Umpqua River sea-run cutthroat trout. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-NWFSC-15. 122 pp.
- Johnson, P.J. 1979. A report on a survey for Beller's ground beetle on the North Fork of the Snoqualmie River, King County, Washington. Unpublished report #DACW67-79-M-1189, U.S. Army Corps of Engineers, Seattle District.
- Johnson, P.J. 1984. Letter on file with the Washington Department of Wildlife, Nongame Program, Olympia, Washington.
- Johnson, P.J. 1986. Letter on file with the Washington Department of Wildlife, Nongame Program, Olympia, Washington.
- Johnson, R.E. 1977. An historical analysis of wolverine abundance and distribution in Washington, USA. Murrelet 58:13-16.
- Johnson, R.E., and K.M. Cassidy. 1997. Terrestrial mammals of Washington State: location data and predicted distributions. Volume 3 *in* Cassidy, K.M., C.E. Grue, M.R. Smith, and K.M. Dvornich (eds.). Washington State Gap Analysis Final Report. Washington Cooperative Fish and Wildlife Research Unit, University of Washington, Seattle. 304 pp.
- Johnson, T. 1991. Bull Trout Studies in Washington, 1989. Report # 93-21 Fisheries Management Division, Washington Department of Wildlife, Olympia, Washington.
- Johnson, T.H., and F. Shrier. 1989. Bull trout studies in Washington. Washington Department of Wildlife Technical Report 93-21. Washington Department of Wildlife, Olympia, Washington.
- Johnson, T.H., R. Lincoln, G.R. Graves, and R. G. Gibbons. 1997. Status of wild salmon and steelhead stocks in Washington State. Pp 127-144 in D.J. Stouder, P.A. Bisson, R. J. Naiman (eds.). Pacific Salmon and Their Ecosystems. Chapman and Hall, New York, New York.
- Jones, J.L. 1991. Habitat use of fishers in north-central Idaho. M.S. Thesis. University of Idaho, Moscow, Idaho. 147 pp.
- Jones, J.L., and E.O. Garton. 1994. Selection of successional stages by fishers in north-central Idaho. Pp. 377-387 *in* Buskirk, S.W., A.S. Harestad, M.G. Raphael, and R.A. Powell (eds.). Martens, sables, and fishers: biology and conservation. Cornell University Press, Ithaca, New York. 684 pp.
- Jones, L.L.C, and J.B. Atkinson. 1989. New records of salamanders from Long Island, Washington. Northwestern Naturalist 70:40-42.
- Jones, L.L.C. 1989. Plethodon vandykei (Van Dyke's Salamander). Herp. Review 20(2):48.
- Jones, L.L.C. 1998. Draft survey protocol for the Van Dyke's salamander (*Plethodon vandykei*). USDA Forest Service, Pacific Northwest Research Station. 29 pp.

- Jones, L.L.C., and M.G. Raphael. 1990. Ecology and management of marten in fragmented habitats of the Pacific Northwest. Unpublished Progress Report, U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, Olympia, Washington. 44pp.
- Juelson, T. C. 1980. Suggestions for streambank revegetation in western Washington. Washington State Game Department, Applied Research, Informational Report Number 13.
- Kappesser, G. 1992. Riffle armor stability index. Idaho Panhandle National Forest, Coeur d'Alene, Idaho.
- Kapuscinski, A.R. 1997. Rehabilitation of Pacific Salmon in Their Ecosystems: What can Artificial Propagation Contribute. Pp 493-509. In D.J. Stouder, P.A. Bisson, and R.J. Naiman (eds.), Pacific Salmon and Their Ecosystems: Status and Future Options. Chapman and Hall, New York, NY.
- Kapuscinski, A.R. and L.M. Miller. 1993. Genetic hatchery guidelines for the Yakima/Klikitat Fisheries Project. Washington Department of Fish and Wildlife. Olympia, Washington.
- Karr, J.R. 1991. Ecological integrity: a long-neglected aspect of water resource management. Ecological Applications 1(1):66-84.
- Karr, J.R., and B.L. Kerans. 1992. Components of biological integrity: their definition and use in development of an invertebrate IBI. In T.P. Simon and W.S. Davis (eds.). Proceedings of the 1991 Midwest pollution control biologists meeting: Environmental indicators: measurement and assessment endpoints. USEPA Region V., Environmental Sciences Division. Chicago, Illinois. EPA 905/R-92-003.
- Karr, J.R., K.D. Fausch, P.L. Angermeier, P.R. Yant, and I. J. Scchlosser. 1986. Assessing biological integrity in running waters: a method and its rationale. Illinois Natural History Survey. Champaign, Illinois.
- Kasworm, W.F., and T. Manley. 1990. Road and trail influences on grizzly bears and black bears in northwest Montana. Intl. Conf. Bear Res. and Manage. 8:79-84.
- Kauffman, J.B. 1988. The status of riparian habitats in the Pacific Northwest. Pp. 45-55 in Raedeke, K.J. (ed.). Streamside management: riparian wildlife and forestry interactions. Institute of Forest Resources, University of Washington. Contribution No. 59.
- Kauffman, J.B., R.L. Beschta, N. Otting, and D. Lytjen. 1997. An ecological perspective of riparian and stream restoration in the western United States. Fisheries 22(5):12-24.
- Kavanaugh, D.H. 1992. Carabid beetles (Insecta: Coleoptera: Carabidae) of the Queen Charlotte Islands, British Columbia. Memoirs of the California Academy of Sciences Number 16. California Academy of Sciences, San Francisco, California.
- Keister, J.P., Jr., R.G. Anthony, and E.J. O'Neill. 1987. Use of communal roosts and foraging areas by bald eagles wintering in the Klamath basin. J Wildl. Mgt. 51(2):415-420.
- Kelsall, J.P. 1981. Status report on the wolverine, *Gulo gulo*, in Canada in 1981. *In* Committee on the status of endangered wildlife in Canada (COSEWIC), Ottawa. 47 pp.
- Kelsall, J.P., and K. Simpson. 1979. A three year study of the great blue heron in southwestern British Columbia. Proc. Colonial Waterbird Group, 3:69-79.
- Kennedy, P.L., J.M. Ward, G.A. Rinker, and J.A. Gessaman. 1994. Post-fledging areas in northern goshawks home ranges. Stud. Avian Biol. 16:75-82.

- Kenward, R.E., and P. Widen. 1989. Do goshawks (*Accipiter gentilis*) need forests? Some conservation lessons from radio tracking. Pp. 561-567 *in* B.U. Meyburd and R.D. Chancellor (eds.). Raptors in the modern world. World working group on birds of prey and owls. London.
- Kerans, B.L., and J. R. Karr. 1994. A benthic index of biotic integrity (B-IBI) for rivers of the Tennessee Valley. Ecological Applications 4(4):768-785.
- Kesner, W.D., and R.A. Barnhart. 1972. Characteristics of the fall-run steelhead trout (*Salmo gairdneri gairdneri*) of the Klamath River system with emphasis on the half-pounder. Calif. Fish Game 58:204-220.
- Kimsey, J.B., and L.O. Fisk. 1964. Freshwater nongame fishes of California. California Department of Fish and Game. 54 pp.
- King County. 1993. Cedar River Current and Future Conditions Report. King County Department of Public Works. Surface Water Management Division, Seattle, Washington.
- King County. 1998. Lower Cedar River Nonpoint Pollution Action Plan. King County Department of Natural Resources, Seattle, Washington.
- Kjelson, M. A., P.F. Raguel, and F.W. Fisher. 1982. Life history of fall-run juvenile chniook salmon, *Oncorhynchus tshawytscha*, in the Sacramento-San Joaquin estuary, California.
 Pp. 393-411 in V.S. Kennedy (ed.). Esturanine comparisons. Academic Press, New York, New York.
- Kleindl, W.J. 1995. Benthic index of biological integrity for Puget Sound lowland streams, Washington, USA. M.S. Thesis. University of Washington, Seattle, Washington. P. 68.
- Kline, T.C., Jr., J.J. Goering, O.A. Mathisen, P.H. Poe, P.L. Parker, and R.S. Scanlan. 1994. Recycling of elements transported upstream by runs of Pacific salmon: II δ^{15} N and δ^{13} C evidence in the Kuichak River watershed, Bristol Bay, Southwestern Alaska. Canadian Journal of Fisheries and Aquatic Science 50:2350-2365.
- Knutzen, J.A. 1997. Evaluation of fish entrainment potential from Chester Morse Lake/Masonry Pool System. Prepared for Seattle City Light Environmental and Safety Division, Seattle, Washington. Foster Wheeler Environmental Corporation, Bellevue, Washington.
- Koehler, G.M. 1990. Population and habitat characteristics of lynx and snowshoe hares in north central Washington. Canadian Journal of Zoology 68:845-851.
- Koehler, G.M., J.A. Blakesley, and T.W. Koehler. 1990. Marten use of successional forest stages during winter in north-central Washington. Northwestern Naturalist 71:1-4.
- Koehler, G.M., W.R. Moore, and R.A. Taylor. 1975. Preserving the pine marten: management guidelines for western forests. Western Wildlife 2:31-36.
- Kraemer, C. 1990. The Dolly Varden. The Osprey (a newsletter published by the Steelhead Committee, Federation of Flyfishers) 8:8-9.
- Kuchel, C.R. 1977. Some aspects of the behavior and ecology of harlequin ducks in Glacier National Parks, Montana. M.S. Thesis. University of Montana, Missoula, Montana.
- Kunz, T.H. 1982. Ecology of bats. Plenum Press, New York.
- Kurta, A. 1995. Mammals of the Great Lakes region. University of Michigan Press, Ann Arbor, Michigan. 376 pp.

- LaHaye, W.S. 1988. Nest site selection and nesting habitat of the northern spotted owl (Strix occidentalis caurina) in northwestern California, M.S. Thesis, Humboldt State University, Arcata, California. 111 pp.
- Lance, B., R. Mathis, and M.A. Bishop. 1997. Results of northern goshawk surveys along the proposed Shepard Point Road corridor. Pacific Northwest Research Station, Copper River Delta Institute, U.S. Department of Agriculture, Forest Service, Cordova, Alaska.
- Larsen, E.M., E. Rodrick, and R. Milner (eds.). 1995. Management recommendations for Washington's priority species, volume 1: invertebrates. Washington Department of Fish and Wildlife, Olympia, Washington. 82 pp.
- Larsen, J.H., and D.L. Schaub. 1982. Distribution and abundance of the Larch Mountain salamander (Plethodon larselli Burns). Unpublished report.
- Lattin, J.D. 1990. Arthropod diversity in old-growth forests of the Pacific Northwest. Wings 15:7-
- Lattin, J.D., and A.R. Moldenke. 1992. Ecologically sensitive invertebrate taxa of Pacific Northwest old-growth conifer forests. Report prepared for the northern spotted owl recovery team: Other species and ecosystems committee. USDI Fish and Wildlife Service. Portland, Oregon. 42 pp.
- Laufer, J.R., and P.T. Jenkins. 1989. Historical and present status of the grey wolf in the Cascades mountains of Washington. Northwest Environmental Journal 5(2):313-327.
- Leahy, C. 1982. The birdwatcher's companion: an encyclopedic handbook of North American birdlife. Hill and Wang, New York, New York. 917 pp.
- Lee, R. G. 1997. Salmon, Stewardship, and Human Values: The Challenge of Integration. Pp 639-654. In D.J. Stouder, P.A. Bisson, and R.J. Naiman (eds.), Pacific Salmon and Their Ecosystems: Status and Future Options. Chapman and Hall, New York, NY.
- Leech, H.B. 1943. Miscellaneous records of beetles in British Columbia. Proc. Ent. Cos. B.C. 40:26-27.
- Lehman, R.N. 1983. Breeding status and management of bald eagles in California 1981. California Dept. of Fish and Game, Wildl. Manage. Branch Admin. Rep. 83-1. Sacramento, California. 34 pp.
- Lehmkuhl, J.F., and L.F. Ruggiero. 1991. Forest fragmentation in the Pacific Northwest and its potential effects on wildlife. Pp. 35-46 in Ruggiero, L.F., K.B. Aubry, A.B. Carey, and M.M. Huff (tech. coords.). Wildlife and vegetation of unmanaged Douglas-fir forests. General Technical Report PNW-GTR-285. U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station. Portland, Oregon.
- Leider, S. 1995. Status of the sea-run cutthroat trout in Washington. *In* Symposium of sea-run cutthroat trout biology, management and future conservation, October 12-14, 1995, Pacific Auditorium, Reedsport, Oregon. Presented by the Lower Umpqua Flycasters.
- Leider, S.A., P.L. Hulett, and T.H. Johnson. 1994. Preliminary assessment of genetic conservation management units for Washington steelhead: implications for WDFW's draft steelhead management plan and the federal ESA. Rep. 94-15 Fisheries Mgmt. Program. P. 42.
- Leonard, W. 1985. Inventory of great blue heron nest colonies in southern and western Puget Sound. Unpublished report to Washington Department of Fish and Wildlife, Nongame Program. Olympia, Washington.

- Leonard, W.P., H.A. Brown, L.L.C. Jones, et al. 1993. Amphibians of Washington and Oregon. Seattle Audubon Society, Seattle, Washington. 168 pp.
- Leonard, W.P., H.A. Brown, L.L.C. Jones, K.R. McAllister, and R.M. Storm. 1996. Amphibians of Washington and Oregon. Seattle Audubon Society, Seattle, Washington. 168 pp.
- Leopold, A. 1949. A Sand County almanac, with essays on conservation from Round River. Oxford University Press. New York, New York.
- Leschner, L.L., and E.B. Cummins. 1992. Breeding records, inland distribution, and threats of the marbled murrelet in Washington from 1905 to 1987. *In* H.R. Carter and M.L. Morrison (eds.). Status and conservation of the marbled murrelet in North America. Western Foundation of Vertebrate Zoology 5(1):42-47.
- Levenson, H., and J.R. Koplin. 1984. Effects of human activity on productivity of nesting ospreys. J. Wildl. Manage. 48:1374-1377.
- Levy, D.A., and T.G. Northcote. 1982. Juvenile salmon residency in a marsh area of the Fraser River estuary. Can. J. Fish. Aquat. Sci. 39:270-276.
- Lewis, J.C., and D.W. Stinson. 1998. Washington State status report for the fisher. Washington Department of Fish and Wildlife, Olympia, Washington. 64 pp.
- Licht, L.E. 1969. Comparative breeding behavior of the red-legged frog (*Rana aurora aurora*) and the western spotted frog (*Rana pretiosa pretiosa*) in southwestern British Columbia. Canadian J. Zool. 47:1287-1299.
- Licht, L.E. 1971. Breeding habits and embryonic thermal requirements of frogs, *Rana aurora aurora* and *Rana pretiosa pretiosa*, in the Pacific Northwest. Ecology 52:116-124.
- Light, J.T. 1987. Coastwide abundance of North American steelhead trout. (Document submitted to International North Pacific Fisheries Commission.) FRI-UW-8710. Fish. Res. Inst., University of Washington, Seattle, Washington. 18 pp.
- Lindroth, C.H. 1961-1969. The ground beetles (Carabidae excl. Cicindelinae) of Canada and Alaska. Parts 1-6. *Opuscula Entomologica* xlviii plus 1192 pp.
- Long, J.B., and L.E. Griffin. 1937. Spawning and migratory habits of the Columbia River steelhead trout as determined by scale studies. Copeia 1937(1):62.
- Long, J.N. 1973. Initial stages of secondary plant succession in a series of *Pseudotsuga menziesii/Gaultheria shallon* stands in western Washington. M.S. Thesis. University of Washington, Seattle, Washington. 79 pp.
- Long, J.N. 1976. Forest vegetation dynamics within the *Abies amabilis* zone of a western Cascades watershed. Ph.D. Dissertation. University of Washington, Seattle, Washington. 175 pp.
- Long, M.H. Undated. Sociological implications of bull trout management in northwest Montana: illegal harvest and game warden efforts to deter poaching. Montana Dept. of Fish, Wildlife and Parks. Kalispell, Montana.
- Lonzarich, D.G., and T. Quinn. 1994. Experimental studies of the roles of brushy debris for stream fishes, Part B: experimental evidences for the relationship of depth and structure to the distribution growth, and survival of stream fishes. *In* T.P. Quinn and N.P. Peterson (eds.). The effect of forest practices on fish populations (Project 19). Final Report. Washington Department of Natural Resources, Timber Fish and Wildlife Program, TFW-F4-94-001.
- Ludwa, K., G. Lucchetti, K.L. Fresh, and K. Walter. 1997. Assessing stream-dwelling fishes in basins of the Lake Washington watershed, summer 1996. Unpublished report. 25 pp.

- Lunde, R.E., and A.S. Harestad. 1986. Activity of little brown bats in coastal forests. Northwest Science 60:206-09.
- Lundquist, R.W., and J.A. Mariani. 1991. Nesting habitat and abundance of snag-dependent birds in the Southern Washington Cascade range. Pages 221-240 in L.F. Ruggiero, K.B. Aubry, A.B Carey, and M.H. Huff. (tech. coords.). Wildlife and vegetation of unmanaged Douglas-fir forests. Gen. Tech, Rep. PNW-285. USDA Forest Service, Pacific Northwest Research Sta., Portland, Oregon. 533 pp.
- Luoma, J. R. 1998. Habitat conservation plans: compromise or capitulation? Audubon 100(1):36-43.
- Maas, K.G. 1996. Underplanting species trails. COPE Report 9(2 & 3):16-18.
- MacDonald, L.H., A.W. Smart, and R.C. Wissmar. 1991. Monitoring guidelines to evaluate effects of forestry activities on streams in the Pacific Northwest and Alaska. EPA 910/9-91-001. U.S. Environmental Protection Agency, Region 10, Seattle, Washington. 166 pp.
- Mackin, J.H. 1941. Glacial geology of the Snoqualmie-Cedar area, Washington. J. Geol. 49:449-
- Maj, M., and E.O. Garton. 1994. Fisher, lynx, and wolverine: summary of distribution information. Pp. 169-175 (Appendix B) in L.F. Ruggiero, K.B. Aubry, S.W. Buskirk, L.J. Lyon, W.J. Zielinski (tech. eds.). The scientific basis for conserving forest carnivores: American marten, fisher, lynx, and wolverine in the western United States. USDA Forest Service Gen. Tech. Rept. RM-254. Rocky Mountain Forest and Range Experiment Sta., Fort Collins, Colorado. 184 pp.
- Mann, C., and M. Plummer. 1997. Qualified thumbs up for habitat plan science. Science 278:2052-2053.
- Mannan, R.W., E.C. Meslow, and H.M. Wight. 1980. Use of snags by birds in Douglas-fir forests, western Oregon. J. Wildl. Manage. 44:787-797.
- Manuwal, D.A. 1991. Spring bird communities in the southern Washington Cascade range. Pp. 161-176 in L.F. Ruggiero, K.B. Aubry, A.B Carey, and M.H. Huff. (tech. coords.). Wildlife and vegetation of unmanaged Douglas-fir forests. Gen. Tech, Rep. PNW-285. USDA Forest Service, Pacific Northwest Research Sta., Portland, Oregon. 533 pp.
- Manuwal, D.A., and M.H. Huff. 1987. Spring and winter bird populations in a Douglas-fir forest sere. J. Wildl. Manage. 51:586-595.
- Marcot, B.G., M.J. Wisdon., H.W. Li, and G.C. Castillo. 1994. Managing for featured threatened, endangered, and sensitive species and unique habitats for ecosystem sustainability. General Technical Report PNW-GTR-329. U.S. Department of Agriculture, Forest Service. Pacific Northwest Range and Experiment Station. 39 pp.
- Mariani, J.M. 1987. Brown creeper (Certhia americana) abundance patterns and habitat use in the southern Washington Cascades. M.S. Thesis. University of Washington, Seattle, Washington. 71 pp.
- Mark, D.M. 1976. An inventory of great blue heron (Ardea herodias) nesting colonies in British Columbia. Northwest Sci. 50(1)32-41.

- Marshall, A.R., C. Smith, R. Brix, W. Dammers, J. Hymer, and L. LaVoy. 1995. Genetic diversity units and major ancestral lineages for chinook salmon in Washington. *In* C. Busack, and J.B. Shaklee (eds.). Genetic diversity units and major ancestral lineages of salmonid fishes in Washington. Technical Report No. RAD95-02. Washington State Department of Fish and Wildlife, Olympia, Washington.
- Marshall, D.B. 1988. Status of the marbled murrelet in North America with special emphasis on populations in Washington, Oregon, and California. U.S. Department of the Interior, Fish and Wildlife Service, Biological Report 99(3).
- Marshall, D.B. 1989. The marbled murrelet. Pp. 435-455 *in* W.J. Chandler (ed.). Audubon wildlife report 1989/1990. National Audobon Society, New York, New York.
- Marshall, D.B. 1992. Status of the northern goshawk in Oregon and Washington. Audubon Society, Portland, Oregon. 34 pp.
- Marshall, G.A, W.A. Kunigk, A.E. Thompson, R.A. Duff, T.V. Berry, and C.C. Casad. 1954. Watershed and reservoir control in the Pacific Northwest. Journal American Water Works Association 46(8):723-750.
- Marshall, J.T. 1988. Birds lost from a giant sequoia forest during fifty years. Condor 90:359-372.
- Maser, C., and Trappe, J. M. (eds.). 1984. The seen and unseen word of the fallen tree. General Technical Report PNW-164. U.S. Department of Agriculture Forest Service. Pacific Northwest Range and Experiment Station. 56 pp.
- Maser, C., B.R. Mate, J.F. Franklin, and C.T. Dyrness. 1981. Natural history of Oregon coast mammals. Gen Tech. Rep. PNW 133. USDA Forest Service, Pacific Northwest Forest and Range Exp. Sta., Portland, Oregon. 496 pp.
- Maser, C., B.R. Mate, J.F. Franklin, and C.T. Dyrness. 1984. Natural history of Oregon coast mammals. University of Oregon, Museum of Natural History, Eugene, Oregon. 496 pp.
- Maser, C., R.F. Tarrant, J.M. Trappe, and J.F. Franklin (eds.). 1988. From the forest to the sea: a story of fallen trees. Pacific Northwest Station Range and Experiment Station. U.S. Department of Agriculture, Forest Service. Portland, Oregon. General Technical Report PNW-GRT-229. 153 pp.
- Mattson, D.J., R.R. Knight, and B.M. Blanchard. 1987. The effects of developments and primary roads on grizzly bear habitat use in Yellowstone National Park, Wyoming. Intl. Conf. Bear Res. and Manage. 7:259-73.
- McAllister, K.R. 1995. Distribution of amphibians and reptiles in Washington State. Northwest Fauna 3:81-112.
- McAllister, K.R., and W.P. Leonard. 1997. Washington State status report for the Oregon spotted frog. Washington Department of Fish and Wildlife. Olympia, Washington. 38 pp.
- McAllister, K.R., W. Leonard, and R.M. Storm. 1993. Spotted frog (*Rana pretiosa*) surveys in the Puget Trough of Washington 1989-1991. Northwest Naturalist 74:10-15.
- McComb, W.C., T.A. Spies, and W.H. Emmingham. 1993. Douglas-fir forests: managing for timber and mature-forest habitat. Journal of Forestry 91:31-42.
- McCord, C.M., and J.E. Cardoza. 1990. Bobcat and lynx. Pp. 728-766 *in* J.A. Chapman and G.A. Feldhamer (eds.). Wild mammals of North America. John Hopkins University Press, Baltimore, Maryland.
- McCullough, D.A. 1999. A review and synthesis of effects of alterations to the water temperature regime on freshwater life stages of salmonids, with special reference to chinook salmon.

- Report prepared by Columbia River Inter-Tribal Fish Commission for U.S. Environmental Protection Agency, Region 10, Seattle, Washington.
- McDaniel, T.R., K.M. Pratt, T.R. Meyers, T.D. Ellison, J.E. Follet, J.A. Burke. 1994. Alaska sockeye salmon culture manual. Special Fisheries Report No. 6. Alaska Department of Fish and Game, Division of Commercial Fisheries Management and Development, Juneau, Alaska. Pp. 38.
- McGahan, J. 1967. Quantified estimates of predation by a golden eagle population. J. Wildl. Manage. 31:496-501.
- McIntyre, A.E., and J.W. McIntyre. 1974. Spots before the eyes, an aid to identifying wintering loons. Auk 91:413-415.
- McIntyre, J.W. 1988. The common loon: spirit of northern lakes. University of Minnesota Press, Minneapolis, Minnesota. 228 pp.
- McIntyre, J.W., and J.E. Mathisen. 1977. Artificial islands as nest sites for common loons. J. Wildl. Manage. 41(2):317-319.
- McLellan, B.N., and D.M. Shackleton. 1988. Grizzly bears and resource extraction industries: Effects of roads on behavior, habitat use and demography. J. Applied Ecol. 25:451-60.
- McPhail, J.D., and J.S. Baxter. 1996. A review of bull trout (*Salvelinus confluentus*) life-history and habitat use in relation to compensation and improvement opportunities. Fisheries Management Report No. 104. Province of British Columbia, Ministry of Environment, Lands and Parks, Fisheries Branch.
- Mech, L.D. 1970. The wolf: The ecology and behavior of an endangered species. Nat. Hist. Press, Doubleday, New York. 389 pp.
- Mech, L.D., S.H. Fritts, G.L. Radde, and W.J. Paul. 1988. Wolf distribution and road density in Minnesota. Wildl. Soc. Bull. 16:85-87.
- Meehan, W.R. (ed.). 1991. Influences of forest and rangeland management on salmonid fishes and their habitats. American Fisheries Society Special Publication, V. 19. Bethesda, Maryland.
- Meehan, W.R., and T.C. Bjornn. 1991. Salmonid distributions and life histories. American Fisheries Society Special Publication. Pp. 47-82 in Meehan, W. R. (ed.). Influences of forest and rangeland management on salmonid fishes and their habitats. American Fisheries Society Special Publication, V. 19. Bethesda, Maryland.
- Mellen, T.K. 1987. Home range and habitat use of pileated woodpeckers, western Oregon. M.S. Thesis. Oregon State University, Corvallis, Oregon.
- Mellen, T.K., E.C. Meslow, and R.W. Mannan. 1992. Summertime home range and habitat use of pileated woodpeckers in western Oregon. Journal of Wildlife Management 56(1):96-103.
- Metter, D.E. 1964. A morphological and ecological comparison of two populations of the tailed frog *Ascaphus truei* Stejnefer. Copeia 1964:181-195.
- Meyers, T.R., J.B. Thomas, J.E. Follet and R.R. Saft. 1990. Infectious hematopoietic necrosis virus: trends in prevalence and the risk management approach in Alaska sockeye salmon culture. Journal Aquatic Animal Health 2:85-98.
- Miller, G.S. 1989. Dispersal of juvenile spotted owls in western Oregon. M.S. Thesis. Oregon State University, Corvallis, Oregon. 139 pp.

- Miller, J. M. 1976. The effects of minimum and peak Cedar River streamflows on fish production and water supply. M.S. Thesis. University of Washington, Seattle, Washington.
- Miller, S.L., and C.J. Ralph. 1995. Relationship of marbled murrelets with habitat characteristics at inland sites in California. Pp.205-215 *in* C.J. Ralph, G.L. Hunt, Jr., M.G. Raphael, and J.F. Piatt (eds.). Ecology and conservation of the marbled murrelet. U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station, Albany, California. General Technical Report PSW-152.
- Mladenoff, D.J., T.A. Sickley, R.G. Haight, and A.P. Wydeven. 1995. A regional landscape analysis and prediction of favorable gray wolf habitat in the northern Great Lakes region. Conservation Biology 9(2):279-294.
- Moldenke, A.R. 1990. One hundred twenty thousand little legs. Wings (Xerces Society) 15:11-14.
- Moldenke, A.R. and J.D. Lattin. 1990. Density and diversity of soil arthropods as "biological probes" of complex soil phenomena. The Northwest Environmental Journal 6:409-410.
- Montgomery Watson. 1997. Cedar River Watershed anadromous fish restoration workshop proceedings December 18, 1995. Submitted to Seattle Public Utilities. August 25, 1997. 23 pp. plus appendices.
- Montgomery, D.R., G.E. Grant, and K. Sullivan. 1995. Watershed analysis as a framework for implementing ecosystem management. Water Resources Bulletin 31:369-386.
- Montgomery, D.R., J.M. Buffington, N.P. Peterson, D. Schuett-Hames, and T.P. Quinn. 1996. Stream-bed scour, egg burial depths, and the influence of salmonid spawning on bed surface mobility and embryo survival. Canadian Journal of Fisheries and Aquatic Science 53:1061-1070.
- Moris, R.L, and W.W. Tanner. 1969. The ecology of the western spotted frog *Rana pretiosa pretiosa* Baird and Girard, a life history study. The Great Basin Naturalist 29:45-81.
- Morrison, M.L., B.G. Marcot, and R.W. Mannan. 1992. Wildlife-habitat relationships: concepts and applications. University of Wisconsin Press. Madison, Wisconsin. 343 pp.
- Moyle, P.B, and R.M. Yoshiyama. 1994. Protection of aquatic biodiversity in California: a five-tiered approach. Fisheries 19(2):6-17.
- Moyle, P.B. 1976. Inland fishes of California. University of California Press, Berkeley. 405 pp.
- Moyle, P.B., R.M. Yoshiyama, J.E. Williams, E.D. Wikramanayake. 1995. Fish species of special concern in California. Second Edition. California Department of Fish and Game. Final Report for Contract 2181F.
- Mulcahy, D., and R.J. Pascho. 1986. Sequential tests for infectious hematopoietic necrosis virus in individuals and populations of sockeye salmon (*Oncorhynchus nerka*). Canadian Journal Fisheries and Aquatic Science 43:2525-2519.
- Murphy, G.I., and L. Shapovalov. 1950. A preliminary analysis of northern California salmon and steelhead runs. Calif. Fish Game 37:497-507.
- Murphy, M.L., and K.V. Koski. 1989. Input and depletion of woody debris in Alaska streams and implications for streamside management. North American Journal of Fisheries Management 9:427-436.
- Murray Pacific Corporation. 1995. Operations manual for the field application of watershed analysis prescriptions on the Murray Pacific tree farm. Prepared by Benda, L., C. Velduisen, S. Faulkner, and L.R. Miller. Tacoma, Washington.

- Nagorsen, D.W., and R.M. Brigham. 1993. Bats of British Columbia. Royal British Columbia Museum Handbook. University of British Columbia Press, Vancouver, British Columbia. 164 pp.
- Naiman, R.J. (ed.). 1992. Watershed management: balancing sustainability and environmental change. Springer-Verlag. New York, New York. 542 pp.
- Naiman, R.J., T.J. Beechie, L.E. Benda, D.R. Berg, P.A. Bisson, L.H. MacDonald, M.D. O'Connor, P.L. Olson, and E. A. Steel. 1992. Fundamental elements of ecologically healthy watersheds in the Pacific Northwest coastal ecoregion. Pp. 127-188 in R.J. Naiman, (ed.). Watershed management: balancing sustainability and environmental change. Springer-Verlag, New York, New York.
- National Marine Fisheries Service. 1995. Status review of coho salmon from Washington, Oregon and California. NOAA Tech. Memorandum NMFS-NWFSC-24. 258 pp.
- National Research Council. 1992. Restoration of aquatic ecosystems. National Academy Press, Washington, DC. 552 pp.
- National Research Council. 1996. Upstream: salmon and society in the Pacific Northwest. National Academy Press. Washington, D.C. 452 pp.
- Neave, F. 1944. Racial characteristics and migratory habits in Salmo gairdneri. J. Fish. Res. Board Can. 6:245-251.
- Nehring, R.B., and Anderson, R. 1982. Stream Fisheries Investigations. Job Progress Report, Project F-51-R-7. Colorado Division of Wildlife, Fort Collins, Colorado.
- Neilson, J.D., and C.E. Banford. 1983. Chinook salmon (Oncorhynchus tshawytscha) spawner characteristics in relation to redd physical features. Can. J. Zool. 61:1524-1531.
- Neilson, J.D., and G.H. Green. 1981. Enumeration of spawning salmon from spawner residence time and aerial counts. Trans. Am. Fish. Soc. 110:554-556.
- Neilson, J.D., G.H. Green, and D. Bottom. 1985. Estuarine growth of juvenile chinook salmon (Oncorhynchus tshawytscha) as inferred from otolith microstructure. Can. J. Fish. Aquat. Sci. 42:899-908.
- Nelson, C.R. 1996. The tree of life web page: Plecoptera. http://www.utexas.edu/courses/capnia/plecoptera/plecoptera.html
- Nelson, S.K. 1988. Habitat use and densities of cavity-nesting birds in the Oregon Coast Ranges. Corvallis: Oregon State University. 157 pp.
- Nelson, S.K., and T.E. Hamer. 1995a. Nesting biology and behavior of the marbled murrelet. Pp. 57-67 in C.J. Ralph, G.L. Hunt, Jr., M.G. Raphael, and J.F. Piatt (eds.). Ecology and conservation of the marbled murrelet. U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station, Albany, California. General Technical Report PSW-152.
- Nelson, S.K., and T.E. Hamer. 1995b. Nest success and the effects of predation on marbled murrelets. Pp. 89-97 in C.J. Ralph, G.L. Hunt, Jr., M.G. Raphael, and J.F. Piatt (eds.). Ecology and conservation of the marbled murrelet. U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station, Albany, California. General Technical Report PSW-152.
- Nelson, S.K., M.L.C. McAllister, M.A. Stern, et al. 1992. The marbled murrelet in Oregon, 1899-1987. In H.R. Carter and M.L. Morrison (eds.). Status and Conservation of the marbled murrelet in North America. Western Foundation of Vertebrate Zoology 5(1):61-91.

- North Cascades National Park. No date. Wolves in the North Cascades: Questions and answers. Informational brochure. North Cascades National Park, Sedro Woolley, Washington. 14 pp.
- North, M.P. 1993. Stand structure and truffle abundance associated with northern spotted owl habitat. Ph.D. Dissertation. University of Washington, Seattle, Washington. 113 pp.
- Northcote, T.G. 1976. Biology of the lower Fraser and ecological effects of pollution, p. 85-119. *In* A.H.J. Dorcey, I.K. Fox, K.J. Hall, T.G. Northcote, K.G. Peterson, W.H. Sproule-Jones, and J.H. Weins (eds.). The uncertain future of the lower Fraser. Westwater Research Centre, University of British Columbia, Vancouver, British Columbia.
- Nussbaum, R.A., and C.K. Tait. 1977. Aspects of the life history and ecology of the Olympic salamander, *Rhyacotriton olympicus* (Gaige). The American Midland Naturalist 98(1):176-198.
- Nussbaum, R.A., E.D. Brodie, and R.M. Storm. 1983. Amphibians and reptiles of the Northwest. University of Idaho Press, Moscow, Idaho. 332 pp.
- O'Connell, M.A., J.G. Hallett, and S.D. West. 1993. Wildlife use of riparian habitats: a literature review. Timber Fish and Wildlife. TFW-WL1-93-001.
- O'Hara, R.K. 1981. An investigation of sibling recognition in *Rana cascadae* tadpoles. Animal Behaviour 29:1121-1126.
- Oguss, E., and L.K. Evans. 1978. Incidental catches of steelhead trout in the commercial salmon fisheries of Barkley Sound, Johnstone Strait, and the Skeena and Fraser Rivers. British Columbia. Dept. Rec. and Conserv., Marine Resources Branch Fish. Mgmt. Rep. 14. 84 pp.
- Okazaki, T. 1984. Genetic divergence and its zoogeographic implications in closely related species *Salmo gairdneri* and *Salmo mykiss*. Japan. J. Ichthyol. 31:297-310.
- Oliver, C.D. 1992. A landscape approach: achieving and maintaining biodiversity and economic productivity. Journal for Forestry 90(9):20-25.
- Oliver, C.D., and Larson, B.C. 1990. Forest stand dynamics. McGraw-Hill. New York, New York. 467 pp.
- Oliver, G.G. 1979. A final report on the present fisheries use of the Wigwam River with an emphasis on the migratory life history and spawning behavior of Dolly Varden charr (*Salvelinus malma*) (Walbaum). Fisheries investigations in tributaries of the Canadian portion of Libby Reservoir. Unpublished report, Fish and Wildlife Branch, Kootenay Region, British Columbia.
- Olson, D.H. (ed.). 1996. Draft survey protocols for Component/Strategy 2 amphibian species. USDA Forest Service, Pacific Northwest Research Station. Portland, Oregon.
- Olson, D.M. 1992. The northern spotted owl conservation strategy: implications for Pacific Northwest forest invertebrates and associated ecosystem processes. Final Report to the Northern Spotted Owl EIS Team, U.S. Department of Agriculture Forest Service. Portland, Oregon, 51 pp.
- Opler, P.A. and J.D. Lattin. 1998. Systematic Compendium of Arthropods and Annelid Worms of Old-growth and Late Successional Conifer Forests, Mature Riparian Woods, and of Coarse Woody Debris Associated Arthropods within the Range of the Northern Spotted Owl (*Strix occidentalis caurina*). National Biological Survey, Midcontinent Ecological Science Center online publication. http://webmesc.mesc.nbs.gov/pubs/online/arthropods/systematic_compendium.html

- Orcutt, D.R., B.R. Pulliam, and A. Arp. 1968. Characteristics of steelhead trout redds in Idaho streams. Trans. Am. Fish. Soc. 97:42-45.
- Oregon Department of Fish and Wildlife. 1992. Sensitive vertebrates of Oregon. Oregon Department of Fish and Wildlife, Portland, Oregon.
- Oregon Department of Fish and Wildlife. 1996. Species at risk; sensitive, threatened and endangered vertebrates of Oregon. Second Edition, June 1996. Oregon Department of Fish and Wildlife, Wildlife Diversity Program, Portland, Oregon.
- Ormsbee, P.C. 1996. Personal communication with D.B. Marshall (cited in ODFW 1996).
- Pacific Coast American Peregrine Falcon Recovery Team. 1982. Pacific Coast recovery plan for the American Peregrine Falcon (Falco peregrinus anatum). 86pp.
- Pacific Salmon Commission. 1996. Joint Chinook Technical Committee Annual Report for 1994. Report No. T-Chinook 96-1.
- Paige, D.K. 1988. Factors affecting the population structure and dynamics of rocky mountain elk (Cervus elaphus nelsoni) in the Cedar River Watershed, Washington. Ph.D. Dissertation. University of Washington, Seattle, Washington.
- Palmisano, J.F, R.H. Ellis, and V.W. Kaczynski. 1993. The impact of environmental and management factors on Washington's wild anadromous salmon and trout. Report prepared for the Washington Forest Protection Association and the Washington Department of Natural Resources. Olympia, Washington. 371 pp.
- Palmisciano, D. 1986. Grizzly mortality update. Montana Department of Fish, Wildlife, and Parks, Bozeman, Montana. 2 pp.
- Paradiso, J.L., and R.M. Nowak. 1982. Wolves (Canis lupus and Allies). Pp. 460-474 in Chapman, J.A. and G.A. Feldhamer (eds.). Wild mammals of North America. The Johns Hopkins University Press: Baltimore, Maryland.
- Paragi, T.F., S.M. Arthur, and W.B. Krohn. 1996. Importance of tree cavities as natal dens for fishers. N. J. Appl. For. 13:79-83.
- Parametrix, Inc. 1991. Cedar River sockeye project: final environmental impact statement. Bellevue, Washington. 285 pp.
- Parker, D.I. 1996. Forest ecology and distribution of bats in Alaska. M.S. Thesis. University of Alaska, Fairbanks, Alaska.
- Parker, J. 1980. Great blue herons (Ardea herodias) in northwestern Montana: nesting habitat use and the effects of human disturbance. M.S. Thesis. University of Montana, Missoula,
- Parkinson, E.A. 1984. Genetic variation in populations of steelhead trout (Salmo gairdneri) in British Columbia. Can. J. Fish Aquat. Sci. 41:1412-1420.
- Pasin, S. 1983. An analysis of the effects of various silvicultural standards and guidelines on National Forest lands within the Cedar River Watershed, North Bend Ranger District, Mt. Baker-Snoqualmie National Forest, in cooperation with the City of Seattle Water Department.
- Patla, S. 1990. Northern goshawk monitoring project report, 1989 Targhee National Forest, St. Anthony, Idaho. U.S. Department of Agriculture, Forest Service, Targhee National Forest. Final report P.O. No. 43-02S2-8-1931. 22 pp.

- Patterson, J.R., and E.L. Bowhay. 1968. Four recent records of wolverines in Washington. Murrelet 49:12-13.
- Pautzke, C.F., and R.C. Meigs. 1940. Studies on the life history of the Puget Sound steelhead (*Salmo gairdneri*). Wash. Dept. Game, Biol. Bull. 88(4):697-711.
- Payne, N.F., and F.C. Bryant. 1994. Techniques for wildlife habitat management of uplands. McGraw-Hill. New York, New York. 840 pp.
- Pearson, O.P., M.R. Koford, and A.K. Pearson. 1952. Reproduction of the lump-nosed bat (*Coryrhynus rafinesque*) in California. J. Mammal. 33:273-320.
- Percy, W. 1995. Estuarine and saltwater residence of sea-run cutthroat trout. *In* Symposium of sea-run cutthroat trout biology, management and future conservation. October 12-14, 1995, Pacific Auditorium, Reedsport, Oregon. Presented by the Lower Umpqua Flycasters.
- Percy, W.G. 1996. Salmon production in changing ocean domains. Pp. 331-352 *in* D.J. Stouder, P.A. Bisson, R.J. Naiman (eds.). Pacific salmon and their ecosystems. Chapman and Hall, New York, New York.
- Perkins, J.M. 1982. Northwest Oregon bat survey. Contract 82-0-4. Oregon Department of Fish and Wildlife, Nongame Wildlife Prog., Portland, Oregon. 52 pp. plus appendices.
- Perkins, J.M. 1983. Bat survey of western Oregon Coos, Lane, Douglas counties in relation to habitat type and age class. Unpubl. Rep., Contract 83-0-08. Oregon Dept. Fish and Wildlife, Nongame Wildlife Prog., Portland, Oregon. 72 pp.
- Perkins, J.M. 1988. Three year bat survey for Washington National Forests results of year two Olympic and Mt. Baker-Snoqualmie National Forests. Contract # 53-04H1-7-4240. 62 pp. plus figures.
- Perkins, J.M., and C. Levesque. 1987. Distribution, status, and habitat affinities of Townsend's big-eared bat (*Plecotus townsendii*) in Oregon. Oregon Department of Fish and Wildlife Technical Report.
- Perkins, J.M., and S.P. Cross. 1991. Migratory patterns of *Lasionycteris noctivagans* in Oregon and Washington. Twenty-first Annual American Symposium on Bat Research, Austin, Texas.
- Perkins, J.M., J.M. Barss, and J. Peterson. 1990. Winter Records of Bats in Oregon and Washington. Northwestern Naturalist 71(2):59-62.
- Peterjohn, B. 1991. Summaries of Breeding Bird Survey data for Washington, 1966-1991. Unpublished manuscript.
- Peterjohn, B.G., J.R. Sauer, and W.L. Link. 1994. The 1992 and 1993 summary of the North American breeding bird survey. Bird Populations 2:46-61.
- Peterson, N.P. 1982. Population characteristics of juvenile coho salmon (*Oncorhynchus kisutch*) overwintering in riverine ponds. Canadian Journal of Fisheries and Aquatic Sciences 39:1303-1307.
- Peterson, N.P., A. Hendry, and T.P. Quinn. 1992. Assessment of cumulative effects on salmonid habitat: some suggested parameters and target conditions. Washington Department of Natural Resources, Timber Fish and Wildlife. TFW-F3-92-001. 75 pp.
- Peterson, N.P., and L.M. Reid. 1984. Wall-base channels: their evolution, distribution, and use by juvenile coho salmon in the Clearwater River, Washington. Pp.215-225 *in* J.M. Walton and D.B. Houston (eds.). Proceedings of the Olympic wild fish conference. Fisheries Technology Program, Peninsula College, Port Angeles, Washington. 308 pp.

- Peterson, R.T. 1990. A field guide to western birds. Houghton Mifflin Company, Boston, Massachusetts. 432 pp.
- Pfankuch, D.J. 1978. Stream reach inventory and channel stability evaluation. U.S. Department of Agriculture, Forest Service, Northern Region. 26 pp.
- Phelps, S.R., B.M. Baker, P.L. Hulett, and S.A. Leider. 1994. Genetic analysis of Washington steelhead: initial electrophoretic analysis of wild and hatchery steelhead and rainbow trout. Rep. 94-9. Washington Department Fish and Wildlife, Olympia, Washington.
- Phinney, L.A. 1974. Further observations on juvenile salmonid stranding in the Skagit River, March 1973. Washington Department of Fisheries, Olympia, Washington. Prog. Rep. 26. 34 pp.
- Pilsbry, H.A. 1940. Land Mollusca of North America (north of Mexico), Vol 1., Part 2. The Academy of Natural Sciences of Philadelphia Monographs, No. 3. Pp. 575-994.
- Pilsbry, H.A. 1948. Land Mollusca of North America (north of Mexico), Vol 2., Part 2. The Academy of Natural Sciences of Philadelphia Monographs, No. 3.
- Pimental, R.A. 1960. Inter- and intrahabitat movements of the rough-skinned newt. The American Midland Naturalist 63:470-496.
- Plum Creek. 1996. Plum Creek Timber Company, L.P.: Draft multi-species habitat conservation plan.
- Poff, N.L., J.D. Allan, M.B. Bain, J.R. Karr, K.L. Prestegaard, B.D. Richter, R.E. Sparks and J.C. Stromberg. 1997. The Natural Flow Regime: A paradigm for river conservation and restoration. BioScience 47(11):769-784.
- Pojar, J., and A. MacKinnon. 1994. Plants of the Pacific Northwest coast; Washington, Oregon, British Columbia & Alaska. British Columbia Ministry of Forests. 527 pp.
- Poole, A.F. 1987. Regulation of osprey (*Pandion haliaetus*) populations: the role of nest site availability. Pp. 227-234 *in* B.U. Meyburg and R.D. Chancellor (eds.). Proceedings third world conf. on birds of prey and owls. Eilat, Israel.
- Porter, R.D., and C.M. White. 1973. The peregrine falcon in Utah, emphasizing ecology and competition with the prairie falcon. Brigham Young University Scientific Bulletin Series 18. Brigham Young University, Provo. 74 pp.
- Potter, I.C., 1980. Ecology of Larval and Metamorphosing Lampreys. Can. J. Fish. Aquat. Sci., Vol. 37, pp. 1641-1657.
- Powell, R.A. 1982. The fisher, life history, ecology, and behavior. University of Minnesota Press, Minnesota, Minnesota. 237 pp.
- Powell, R.A. 1993. The fisher: Life history, ecology and behavior. 2nd ed. University of Minnesota Press, Minneapolis, Minnesota. 237 pp.
- Powell, R.A., and W.J. Zielinski. 1994. Fisher. Pp. 38-73 *in* L.F. Ruggiero, K.B. Aubry, S.W. Buskirk, L. Jack Lyon, and W.J. Zielinski (eds.). The scientific basis for conserving forest carnivores: American marten, fisher, lynx, and wolverine in the western United States. Gen. Tech. Rep. RM-254. USDA Forest Service, Rocky Mountain Forest and Range Exp. Sta., Ft. Collins, Colorado. 183 pp.
- Primack, D.B. 1993. Essentials of Conservation Biology. Sinauer Associates. Sunderland, Massachusetts. 564 pp.

- Pulliainen, E. 1968. Breeding biology of the wolverine (*Gulo gulo* L.) in Finland. Annales Zoologica Fennici 5:338-344.
- Pyle, R.M. 1974. Watching Washington butterflies and interpretive guide to the state's 134 species, including most of the butterflies of Oregon, Idaho, and British Columbia. Seattle Audubon Society, Seattle, Washington. 109 pp.
- Pyle, R.M. 1989. Washington butterfly conservation status report and plan. Prepared for the Washington Department of Wildlife, Nongame Program, Olympia, Washington. 217 pp.
- Quinlan, B. 1984. Sedimentation study: Cedar Falls-Morse Lake project. Unpublished report, Seattle City Light Office of Environmental Affairs, Seattle, Washington.
- Quinlan, S.E., and J.H. Hughes. 1990. Location and description of a marbled murrelet tree nest site in Alaska. Condor. 92(4)1068-1073.
- Quinn, T.P. 1993. A review of homing and straying of wild and hatchery-produced salmon. Fish Res. 18:29-44.
- Quinn, T.P., and A.H. Dittman. 1992. Fishes. Pp. 145-211 *in* F. Papi (ed.). Animal homing. Chapman and Hall, London.
- R.W. Beck and Associates. 1989. Skagit River salmon and steelhead fry stranding studies. Prepared for Seattle City Light, Seattle, Washington.
- R2 Resource Consultants, Inc. In preparation. Upper Cedar River Watershed fisheries study.

 Prepared for the City of Seattle, Seattle Water Department, Seattle, Washington.

 Contributors: Fisheries Consultants, Herrera Environmental Consultants, and Taylor Associates.
- Raedeke Associates, Inc. 1997. Wetland monitoring studies: Chester Morse Lake. Prepared for Seattle Public Utilities, Cedar River Watershed, King County, Washington. V. 1.
- Raedeke, K.J. (ed.). 1988. Streamside management: riparian wildlife and forestry interactions. Institute of Forest Resources, University of Washington, Seattle, Washington. Contribution No. 59. 277 pp.
- Ralph, C.J., and S.K. Nelson (eds.). 1992. Methods of surveying marbled murrelets at inland forested sites. Report on file, Pacific Seabird Group, Oregon Cooperative Wildlife Research Unit, Oregon State University, Corvallis, Oregon. 21 pp.
- Ralph, C.J., G.L. Hunt, Jr., M.G. Raphael, and J.F. Piatt. 1995. Ecology and conservation of the marbled murrelet in North America an overview. Pp. 3-22 in Ralph, C.J., G.L. Hunt, Jr., M.G. Raphael, and J.F. Piatt (eds.). Ecology and conservation of the marbled murrelet. U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station, Albany, California. Gen. Tech. Rep. PSW-152.
- Ralph, S.C., G.C. Poole, L.L. Conquest, and R.J. Naiman. 1994. Stream channel morphology and woody debris in logged and unlogged basins of Western Washington. Can. J. Fish. Aquat. Sci. 51:37-51.
- Ramel, G.J.L. 1995. The Stone Flies (Plecoptera). http://www.ex.ac.uk/~gjlramel/plecopt.html.
- Raphael, M.G. 1988. Long-term trends in abundance of amphibians, reptiles, and mammals in Douglas-fir forests of northwestern California. Pp. 23-31 *in* Szaro, R.C., K.E. Severson, and D.R. Patton (tech. coords.). Management of amphibians, reptiles, and small mammals in North America. U.S. Department of Agriculture, Forest Service, Gen. Tech. Rep. RM-166.

- Raphael, M.G. 1994. Techniques for monitoring populations of fishers and American martens. Pp. 224-240 *in* Buskirk, S.W., A.S. Harestad, M.G. Raphael, and R.A. Powell (eds.). Martens, sables, and fishers: biology and conservation. Cornell University Press, Ithaca, New York.
- Raphael, M.G., and L.L.C. Jones. 1997. Characteristics of resting and denning sites of American martens in central Oregon and western Washington. Pp. 146-165 *in* Proulx, G., H.N. Bryant and P.M. Woodard (eds.). *Martes*: taxonomy, ecology, techniques, and management. Provincial Museum of Alberta, Canada.
- Rashin, E., and C. Graber. 1992. Effectiveness of Washington's forest practice riparian management zone regulations for protection of stream temperature. Timber/Fish/wildlife Report Number TFW-WQ6-92-001. Washington Department of Natural Resources, Olympia, WA. 59 pages plus appendices.
- Ream, C.H. 1976. Loon productivity, human disturbance, and pesticide residues in northern Minnesota. Wilson Bulletin 88(3):427-432.
- Reisenbichler, R.R. 1997. Genetic factors contributing to declines of anadromous salmonids in the Pacific northwest. Pp223-244. In D.J. Stouder, P.A. Bisson, and R.J. Naiman (eds.), Pacific Salmon and Their Ecosystems: Status and Future Options. Chapman and Hall, New York, NY.
- Reeves, G.H., and J.R. Sedell. 1992. An ecosystem approach to the conservation and management of freshwater habitat for anadromous salmonids in the Pacific Northwest. Transactions of the 57th North American Wildlife and Natural Resources Conference. Pp. 408-415.
- Reeves, G.H., J.D. Hall, T.D. Roelofs, T.L. Hickman, and C.O. Baker. 1991. Rehabilitating and modifying stream habitats. Chapter 15 *in* W.R. Meehan (ed.). Influences of forest and rangeland management on salmonid fishes and their habitats. American Fisheries Society Special Publication. 19:519-557.
- Reiman, B.E., and J.D. McIntyre. 1995. Occurrence of bull trout in naturally fragmented habitat patches of varied size. Transactions of the American Fisheries Society 124:285-296.
- Reimers, P.E. 1973. Length of residence of juvenile fall chinook salmon in Sixes River, Oregon. Oregon Fish Commission Research Report 4 (2), Oregon Department of Fish and Wildlife, Oregon. 43 pp.
- Reynolds, R.T. 1989. Accipiters. Pp. 92-101 *in* Western raptor management symposium and workshop. National Wildlife Federation, Washington, D.C.
- Reynolds, R.T., R.L. Bassett, R.T. Graham, P.L. Kennedy, and M.H. Reiser. 1991. Threatened, endangered, and sensitive species: the northern goshawk. *In* The multiple use of public lands: proceedings of the commission on the Arizona environment conference. June, 1991. Phoenix, Arizona.
- Reynolds, R.T., R.T. Graham, M.H. Reiser, R.L. Bassett, P.L. Kennedy, D.A. Boyce, Jr., G. Goodwin, R. Smith, and E.L. Fisher. 1992. Management recommendations for the northern goshawk in the southwestern United States. U.S. Department of Agriculture, Forest Service Gen. Tech. Rep. RM-217. Fort Collins, Colorado.
- Richardson, S., and R. Spencer. 1999. Draft Washington State status report for the common loon. Washington Department of Fish and Wildlife, Olympia, Washington. 32 pp.
- Richter, B.D., J.V. Baumgartner, J. Powell, and D.P. Braun. 1996. A Method for Assessing Hydrologic Alteration within Ecosystems. Conservation Biology 10 (4):1163-1174.

- Richter, K. 1995. Letter to Cedar River Watershed re: Bear Creek snails, mussels and salmon. October 10, 1995 (from Ray Heller). 1 p.
- Ricker, W.E. 1940. On the origin of kokanee, a freshwater type of sockeye salmon. Proc. Trans. Soc. Can. Ser. 3. 34(5):121-135.
- Robinson, S.K. 1992. Population dynamics of breeding neotropical migrants in a fragmented Illinois landscape. Pp. 408-418 *in* J.M. Hagan and D.W. Johnston (eds.). Ecology and conservation of neotropical migrant landbirds. Smithsonian Institution Press, Washington, D.C.
- Robison, E.G., and Beschta, R.L., 1990, Characteristics of coarse woody debris for several coastal streams of southeast Alaska, U.S.A.: Canadian Journal of Fisheries and Aquatic Sciences, v. 47, p. 1684-1693.
- Rodrick, E., and R. Milner. 1991. Management recommendations for Washington's priority habitats and species. Washington Department of Wildlife, Wildlife Management, Fish Management, and Habitat Management Divisions, Olympia, Washington.
- Rohlf, D.J. 1989. The Endangered Species Act: a guide to its protections and implementation. Stanford Environmental Law Society, Stanford, California. 207 pp.
- Roper, B.B., J.J. Dose, and J.E. Williams. 1997. Stream restoration: is fisheries biology enough? Fisheries 22(5):6-11.
- Rosengreen, T.E. 1965. Surficial geology of the Maple Valley and Hobart quadrangles, Washington. M.S. Thesis. University of Washington, Seattle, Washington. 71 pp.
- Roy, K. D. 1991. Ecology of reintroduced fishers in the Cabinet Mountains of northwest Montana. M.S. Thesis. University of Montana, Missoula, Montana. 94 pp.
- Ruediger, W., and R.H. Naney. 1994. Carnivore committee conservation strategy for the lynx, 1995 Maps. USDA Forest Service, North Bend Ranger District. North Bend, Washington.
- Ruggiero, L.F., K.B. Aubry, A.B. Carey, and M.M. Huff (tech. coords.). 1991a. Wildlife and vegetation of unmanaged Douglas-fir forests. General Technical Report PNW-GTR-285.
 U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station. Portland, Oregon. 533 pp.
- Ruggiero, L.F., K.B. Aubry, S.W. Buskirk, L.J. Lyon, and W.J. Zielinski. 1994. The Scientific Basis for Conserving Forest Carnivores? American Marten, Fisher, Lynx, and Wolverine in the Western United States. USDA Forest Service General Technical Report RM-254. Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colorado.
- Ruggiero, L.F., L.L.C. Jones, and K.B. Aubry. 1991b. Plant and animal habitat associations in Douglas-fir forests of the Pacific Northwest: an overview. Pp. 447-462 *in* Ruggiero, L.F., K.B. Aubry, A.B Carey, and M.H. Huff (tech. coords.). Wildlife and vegetation of unmanaged Douglas-fir forests. Gen. Tech, Rep. PNW-285. USDA Forest Service, Pacific Northwest Research Sta., Portland, Oregon. 533 pp.
- Sandercock, F.K. 1991. Life history of coho salmon (*Oncorhynchus kisutch*). Pp. 397-445 in C. Groot and L. Margolis (eds.). Pacific salmon life histories. University of British Columbia Press, Vancouver, British Columbia.
- Sanderson, G.C. (ed.). 1977. Management of migratory shore and upland game birds in North America. International Association of Fish and Wildlife Agencies, Washington, D.C.

- Sauer, J.R. 1992. Monitoring Goals and Programs of the U.S. Fish and Wildlife Service. Pp. 245-251 in Finch, D.M. and P.W. Stangel (eds.). 1993. Status and Management of Neotropical Migratory Birds; 1992 September 21-25; Estes Park, Colorado. Gen. Tech. Rep. RM-229. Fort Collins, Colorado. USDA Forest Service, Rocky Mountain Forest and Range Experiment Station. 422 pp.
- Sauer, J.R., J.E. Hines, G. Gough, I. Thomas, and B.G. Peterjohn. 1997. The North American Breeding Bird Survey results and analysis. Version 96.2. Patuxent Wildlife Research Center, Laurel, Maryland.
- Schallenberger, A., and C. Jonkel. 1980. Rocky Mountain east front grizzly studies, 1979. Border Grizzly Project, Special Rep. No. 39, School of Forestry, University of Montana, Missoula. 207 pp.
- Schill, D.J. 1991. River and stream investigations: bull trout aging and enumeration comparisons. Idaho Fish and Game Job Performance Report, Project F-73-R-13.
- Schirato, G. 1993. A preliminary status report of harlequin ducks in Washington. Unpublished report. Washington Department of Wildlife. Aberdeen, Washington. 4 pp.
- Schowalter, D.B., W.J. Dorward, and J.R. Gunson. 1978. Seasonal occurrence of silver-haired bats (*Lasionycteris noctivagans*) in Alberta and British Columbia. Can. Field-Nat. 92:288-291.
- Schowalter, T.D. 1989. Canopy arthropod structure and herbivory in old-growth and regenerating forests in western Oregon. Canadian Journal of Forest Research 19:318-322.
- Scott, D.R.M., and J.N. Long. 1972. Forest plant communities of the lower Cedar River Watershed. U.S./IBP Coniferous Forest Biome Internal Report No. 102. University of Washington, Seattle, Washington. 16 pp.
- Scott, J.A. 1987. The butterflies of North America: a natural history and field guide. Stanford Univ. Press.
- Scott, J.B., C.R. Steward, and Q.J. Stober. 1986. Effects of urban development on fish population dynamics in Kelsey Creek, Washington. Trans. Amer. Fish. Soc. 115:555-567.
- Scott, S.L. (ed.). 1983. Field guide to the birds of North America. National Geographic Society, Washington, D.C. 464 pp.
- Scott, W.B., and E.J. Crossman. 1973. Freshwater Fishes of Canada. Fish. Res. Bd. Canada. Bul. 14.
- Scrivener, J.C., and B.C. Andersen. 1982. Logging impacts and some mechanisms which determine the size of spring and summer populations of Coho salmon fry in Carnation Creek. Pp. 257-272 in G.F. Hartman (ed.). Proceedings of the Carnation Creek Workshop: a ten year review. Pacific Biological Station, Nanaimo, British Columbia.
- Sealy, S.G. 1974. Breeding phenology and clutch size in the marbled murrelet. Auk 91(1):10-23.
- Sealy, S.G. 1975. Aspects of the breeding biology of the marbled murrelet in British Columbia. Bird Banding 46:141-154.
- Seattle City Light. 1989. Resident fisheries study for Ross, Diablo, and Gorge lakes. Seattle City Light Environmental Affairs Division. 38 pp.
- Seattle Public Utilities. 1997. Scoping report for the Cedar River Watershed habitat conservation plan environmental assessment/environmental impact statement. Prepared by Foster Wheeler Environmental Corporation, Bellevue, Washington.

- Seattle Public Utilities. 1998. Draft Cedar River Watershed stream-crossing inventory and assessment: Type 1, 2, and 3 waters and other potential fish-bearing streams. Cedar River Watershed, King County, Washington.
- Seattle Water Department. 1985. Seattle Comprehensive Regional Water Plan. Seattle, Washington.
- Seattle Water Department. 1993. Comprehensive Regional Water Supply Plan. Seattle, Washington.
- Seattle Water Department. 1995. Basin condition reports, prescriptions, and restoration opportunities. Prepared by Seattle Water Department, North Bend, Washington; Foster Wheeler Environmental Corporation, Bellevue, Washington; and Terrapin Environmental, Duvall, Washington. 200 pp. plus Appendix.
- Sedell, J.R., and R.L. Beschta. 1991. Bringing back the "bio" in bioengineering. American Fisheries Society Symposium 10:160-175.
- Sedell, J.R., F.H. Everest, and D.R. Gibbons. 1989. Streamside vegetation management for aquatic habitat. Pp.115-125 *in* Proceedings, national silvicultural workshop silviculture for all resources. U.S. Department of Agriculture, Forest Service. Timber Management. Washington, D.C.
- Sedell, J.R., F.J. Swanson, and S.V. Gregory. 1984. Evaluating fish response to woody debris. Pp. 222-245 *in* Hassler, T.J. (ed.). Proceedings, Pacific Northwest stream habitat management workshop. California Cooperative Fishery Research Unit, Humbolt State University, Arcata, California.
- Sedell, J.R., G.H. Reeves, and P.A. Bisson. 1997. Habitat policy for salmon in the Pacific Northwest. *In* Stouder, D.J., P.A. Bisson, and R.J. Naiman (eds.). Pacific salmon & their ecosystems. Chapman and Hall, New York, New York. 685 pp.
- Sedell, J.R., G.H. Reeves, F.R. Hauer, J.A. Stanford, and C.P. Hawkins. 1990. Role of refugia in recovery from disturbances: modern fragmented and disconnected river systems. Environmental Management 14(5):711-724.
- Sedgwick, J.A., and F.L. Knopf. 1992. Describing Willow Flycatcher habitats: scale perspectives and gender differences. Condor 94:720-733.
- Seelbach, P.W. 1987. Smolting success of hatchery-raised steelhead planted in a Michigan tributary of Lake Michigan. N. Amer. J. Fish. Mgmt. 7:223-231.
- Seglund, A.E. 1995. The use of resting sites by the Pacific fisher. M.S. Thesis. Humboldt State University, Arcata, California. 66 pp.
- Seiler, D. 1994. Cedar River sockeye salmon fry estimation: final report for 1993. Washington Department of Fish and Wildlife, Olympia, Washington.
- Seiler, D. 1995. Cedar River sockeye salmon fry production evaluation: 1994 annual report. Washington Department of Fish and Wildlife, Olympia, Washington.
- Seiler, D., and L. Kishimoto. 1996. Cedar River sockeye salmon fry production evaluation: 1995 annual report. Washington Department of Fish and Wildlife, Olympia, Washington.
- Seiler, D., and L. Kishimoto. 1997a. Cedar River sockeye salmon fry production evaluation: 1996. Annual Report. Washington Department of Fish and Wildlife, Olympia, Washington.
- Seiler, D., and L. Kishimoto. 1997b. Cedar River sockeye salmon fry production evaluation: 1997 Annual Report. Washington Department of Fish and Wildlife, Olympia, Washington.

- Servheen, C., and L.C. Lee. 1979. Mission Mountains grizzly bear studies, an interim report, 1976-78. Border Grizzly Project, Montana Forest and Conserv. Exp. Sta., School of Forestry, University of Montana, Missoula. 299 pp.
- Sexauer, H.M., and P.W. James. 1993. A survey of the habitat use by juvenile and pre-spawning adult bull trout, *Salvelinus confluentus*, in four streams in the Wenatchee national forest. Central Washington University, Department of Biological Sciences Technical Report.
- Shanks, B. 1997. Open letter addressed to: Dear Interested Party in Wild Salmonid Policy Development. Washington Department of Fish and Wildlife, Olympia, Washington. November 7, 1997.
- Shapovalov, L., and A.C. Taft. 1954. Life histories of the steelhead rainbow trout (*Salmo gairdneri gairdneri*) and silver salmon (*Oncorhynchus kisutch*) with special reference to Waddell Creek, California, and recommendations regarding their management. Calif. Dept. Fish Game, Fish Bull. 98. 375pp.
- Sharp, B.E. 1992. Neotropical migrants on national forests in the Pacific Northwest: a compilation of existing information. Report to the USDA Forest Service.
- Sharp, B.E. 1992. Neotropical migrants on national forests in the Pacific Northwest. USDA Forest Service Publ. No. PB93-12885.
- Sharpe, F.A. 1993. Olympic Peninsula birds: the songbirds. Unpublished draft manuscript. 206 pp.
- Shepard, B. 1985. Habitat variables related to bull trout spawning site selection and thermal preference exhibited in a thermal gradient. P. 18 *in* D.D. McDonald (ed.). Proceedings of the Flathead River Basin bull trout biology and population dynamics modeling information exchange. Fisheries Branch, British Columbia Ministry of Environment, Cranbrook, British Columbia.
- Shepard, B., K. Pratt, and J. Graham. 1984. Life histories of westslope cutthroat and bull trout in the upper Flathead River basin, Montana. Montana Department of Fish, Wildlife, and Parks. Kalispell, Montana. 85 pp. plus 3 appendices.
- Shipe, S.J., and W.W. Scott. 1981. The great blue heron in King County, Washington. Unpubl. Rep. to Washington Department of Wildlife, Urban Wildlife Program. Mill Creek, Washington.
- Short, H.Ll, and R.J. Cooper. 1985. Habitat suitability index models: great blue heron. USDI Fish and Wildlife Service, Biological Report 82(10.99), Washington, D.C.
- Shump, K.A., Jr., and A.U. Shump. 1982. *Lasiurus cinereus*. Mammalian Species 185. Am. Society of Mammalogists, New York. 5 pp.
- Sidle, R.C., A.J. Pearce, and C.L. O'Loughlin. 1985. Hillslope stability and land use. Water Resources Monograph Series 11. American Geophysical Union. Washington. D.C. 140 pp.
- Sidle, W.B., and L.H. Suring. 1986. Management indicator species for the National Forest lands in Alaska. Tech Pub. R10-TP-2, USDA Forest Service.
- Simberloff, D., J.A. Farr, J. Cox, and D.W. Mehlman. 1992. Movement corridors: conservation bargains or poor investments. Conservation Biology 6:493-505.
- Simons, T.R. 1980. Discovery of a ground-nesting marbled murrelet. Condor 82(1):1-9.
- Simpson, K. 1984. Factors affecting reproduction in great blue herons (*Ardea herodias*). M.S. Thesis. University of British Columbia, Vancouver, British Columbia, Canada.

- Slavens, K. 1992. Report on the Western Pond Turtle, 1991. Unpublished Report. Washington Department of Wildlife. Olympia, Washington.
- Smith, A.K. 1973. Development and application of spawning velocity and depth criteria for Oregon salmonids. Transactions of the American Fisheries Society 102:312-316.
- Smith, B.L. 1978. Investigation into black and grizzly bear responses to coastal logging 1977. B.S. Thesis. Simon Fraser University, Burnaby, British Columbia. 85 pp.
- Smith, M.R., P.W. Mattocks, Jr., and K.M. Cassidy. 1997. Breeding birds of Washington state: location data and predicted distributions. Volume 4 *in* Cassidy, K.M., C.E. Grue, M.R. Smith, and K.M. Dvornich (eds.). Washington state gap analysis final report. Seattle Audubon Society Publications in Zoology No. 1. Seattle, Washington. 538 pp.
- Smith, S.B. 1968. Reproductive isolation in summer and winter races of steelhead trout. Pp. 21-38 *in* T.G. Northcote (ed.). Symposium on salmon and trout in streams. H.R. MacMillan Lectures in Fisheries, University of British Columbia, Vancouver, British Columbia.
- Smithsonian Institution Museum of Natural History. 1998. Checklist of the Western Hemisphere Caraboidea (Coleoptera). http://nmnhwww.si.edu/gopher-menus/ChecklistoftheWesternHemisphereCaraboideaColeoptera.html
- Snow, C. 1973. Golden eagle. USDI Bureau of Land Management Habitat Management Series for Unique or Endangered Species, Rep. 7. USDI Bureau of Land Management, Denver, Colorado.
- Solis, D.M. 1983. Summer habitat ecology of northern spotted owls in northwest California. M.S. Thesis. Humboldt State University, Arcata, California. 168 pp.
- Solis, D.M., Jr., and R.J. Gutierrez. 1990. Summer habitat ecology of northern spotted owls in northwestern California. Condor 92(3):739-748.
- Sowls, A.L., A.R. DeGange, J.W. Nelson, and G.S. Lester. 1980. Catalog of California seabird colonies. U.S. Department of the Interior, Fish and Wildlife Service, Office of Biological Services, Coastal Ecosystems Project, Washington, D.C. FWS/OBS-80/37. 371 pp.
- Speich, S.M., and T.R. Wahl. 1995. Marbled murrelet populations of Washington marine habitat preferences and variability of occurrence. Pp. 313-326 *in* C.J. Ralph, G.L. Hunt, Jr., M.G. Raphael, and J.F. Piatt (eds.). Ecology and conservation of the marbled murrelet. U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station, Albany, California. General Technical Report PSW-152.
- Speich, S.M., T.R. Wahl, and D.A. Manuwall. 1992. The numbers of marbled murrelets in marine waters. Pp. 48-60 *in* H.R. Carter and M.L. Morrison (eds.). Status and conservation of the marbled murrelet in North America. Western Foundation of Vertebrate Zoology 5(1).
- Spencer, W.D., and W.J. Zielinski. 1983. Predatory behavior of pine martens. J. Mammal. 64:715-717.
- Spies, T.A. 1991. Plant species diversity and occurrence in young, mature, and old-growth Douglas-fir stands in western Oregon and Washington. Pp. 111-121 *in* L.F. Ruggiero, K.B. Aubry, A.B. Carey, and M.M. Huff (tech. coords.). Wildlife and vegetation of unmanaged Douglas-fir forests. General Technical Report PNW-GTR-285. U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station. Portland, Oregon.
- Spies, T.A., and J.F. Franklin. 1988. Old growth and forest dynamics in the Douglas-fir region of western Oregon and Washington. Natural Areas Journal 8:190-201.

- Spies, T.A., and J.F. Franklin. 1989. Gap characteristics and vegetation response in coniferous forests of the Pacific Northwest. Ecology 70:543-545.
- Spies, T.A., and J.F. Franklin. 1991. The structure of natural young, mature, and old-growth Douglas-fir forests in Oregon and Washington. Pp. 91-121 *in* Ruggiero, L.F., K.B. Aubry, A.B. Carey, and M.M. Huff (tech. coords.). Wildlife and vegetation of unmanaged Douglas-fir forests. Gen. Tech. Rep. PNW-GTR-285. U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station. Portland, Oregon.
- Spies, T.A., and S.P. Cline. 1988. Coarse woody debris in forest and plantations of coastal Oregon. Pp. 5-24 *in* Maser, C., R.F. Tarrant, J.M. Trappe, and J. Franklin (eds.). From the forest to the sea: a story of fallen trees. U. S. Forest Service Gen. Tech. Rep. PNW-GTR-229.
- Spies, T.A., J.F. Franklin, and M. Klopsch. 1990. Characteristics of canopy gaps in Douglas-fir forests. Canadian Journal of Forest Research 20:649-658.
- Spies, T.A., J.F. Franklin, and T. Thomas. 1988. Coarse woody debris in Douglas-fir forests of western Oregon and Washington. Ecology 69:1689-1702.
- Stalmaster, M.V. 1987. The bald eagle. Universe Books; New York, New York. 227 pp.
- Stalmaster, M.V., R.L. Knight, B.L. Holder, R.J. Anderson. 1985. Bald eagles. Pp. 269-290 in Brown, E.R. (ed.). 1985a. Management of wildlife and fish habitats in forests of western Oregon and Washington. Publ. No. R6-F&WL-192-195. USDA Forest Service, Pacific Northwest Region.
- Stark, B.P. 1983. A review of the genus Soliperla (Plecoptera: Peltoperlidae). Great Basin Naturalist 43:30-44.
- Starr, P.J., A.T. Charles, and M.A. Henderson. 1984. Reconstruction of British Columbia sockeye salmon (*Oncorhynchus nerka*) stocks: 1970-1982. Can. Ms. Rep. Fish. Aquat. Sci. 1780. 123 pp.
- Stebbins, R.C. 1954. Amphibians and reptiles of western North America. McGraw-Hill Book Co., New York. 536 pp.
- Stebbins, R.C. 1985. A field guide to western reptiles and amphibians, 2nd edition. Houghton Mifflin Company, Boston, Massachusetts. 336pp.
- Steinblums, I.J., H.A. Froehlich, and J.K. Lyons. 1984. Designing stable buffer strips for stream protection. Journal of Forestry 82(1):49-52.
- Stelfox, J.D., and K.L. Egan. 1995. Bull trout investigations in the Smith-Dorrien Creek/Lower Kananaskis Lake system. Report prepared by Fisheries Management Division, Alberta Environmental Protection, and by Golder Associates Limited, Calgary, Alberta.
- Steventon, J.D., and J.T. Major. 1982. Marten use of habitat in a commercially clear-cut forest. J. Wildl. Manage. 46:175-182.
- Stober, Q.J., and A.H. Hamalainen. 1979. Cedar River sockeye salmon fry emigration. Final Report. FRI-UW-7917. 52 pp.
- Stober, Q.J., and A.H. Hamalainen. 1980. Cedar River sockeye salmon production. Completion Report. Report to the Washington State Department of Fisheries. University of Washington, Fisheries Research Institute. Seattle, Washington. FRI-UW-8016. 59 pp.
- Stober, Q.J., and J.P. Greybill. 1974. Effects of discharge in the Cedar River on sockeye salmon spawning area. University of Washington Fisheries Research Institute, Seattle, Washington.

- Stober, Q.J., R.E. Narita, and A.H. Hamalainen. 1978. Instream Flow and the Reproductive Efficiency of Sockeye Salmon. Completion Report for Matching Grant Project, OWRT Project No. B-065 –WASH. Fisheries Research Institute. University of Washington. Seattle, Washington. 124 pp.
- Stober, Q.J., R.E. Narita, and A.H. Hamalainen. 1980. Instream flow and reproductive efficiency of sockeye salmon. Project Completion Report. FRI-UW-7808. 124 pp.
- Stober, Q.J., R.E. Narita, A.H. Hamalainen, and S.L. Marshall. 1976. Preliminary Analysis of the Effects of Instream Flow Level on the Reproductive Efficiency of Cedar River Sockeye Salmon. Annual Progress Report. Fisheries Research Institute. University of Washington. Seattle, Washington. 64pp.
- Storer, R.W. 1988. Variation in the common loon (*Gavia immer*). Pp. 54-65 *in* P. Strong (ed.). Papers from 1987 Conf. Loon Res. Mgmt. North American Loon Fund, Meredith, New Hampshire.
- Stouder, D. J., P.A. Bisson, and R. J. Naiman. 1997. Where are we? Resources on the Brink. Pp. 1-10 in D. J. Stouder, P.A. Bisson, and R. J. Naiman. (eds.). Pacific salmon and their ecosystems. Chapman and Hall, New York, New York.
- Strahler, A.N. 1957. Qualitative analysis of watershed geomorphology. Transactions of the American Geophysical Union 38:913.
- Streeter, R.G., and C.E. Braun. 1968. Occurrence of pine marten, *Martes americana* (Carnivora: Mustelidae) in Colorado alpine areas. Southwestern Naturalist 13:449-451.
- Strickland, M.A., C.W. Douglas, M. Novak, and N.P. Hunziger. 1982. Marten. Pp. 599-612 *in* Chapman, J.A., and G.A. Feldhamer (eds.). Wild mammals of North America: biology, management, economics. Johns Hopkins University Press, Baltimore, Maryland.
- Strickland, M.A., Douglas, C.W., Novak, M. and N.P. Hunziger. 1982. Fisher. Pp. 586-598 *in* Chapman, J.A., G.A. Feldhammer (eds.). Wild mammals of North America, biology, management, and economics. The Johns Hopkins University Press; Baltimore, Maryland.
- Sullivan, P.T. 1983. A preliminary study of historic and recent reports of grizzly bears in the North Cascades area of Washington. Washington Department of Game, Olympia, Washington.
- Sun, L. 1986. Cedar River hydrology, phase I, inflow III study report. Seattle Water Department, Seattle, Washington.
- Swales, S., and C.D. Levings. 1989. Role of off-channel ponds in the life cycle of coho salmon (*Oncorhynchus kisutch*) and other juvenile salmonids in the Coldwater River, British Columbia. Canadian Journal of Fisheries and Aquatic Sciences 46:232-242.
- Swanson, F., A. McKee, and S. Gregory. 1992. Managing riparian zones as ecosystems. Watershed Management Council Newsletter. 4(3):1,5.
- Tabor, R., and J. Chan. In press. Predation of sockeye salmon fry by cottids in the Cedar River and south Lake Washington. U.S. Fish and Wildlife Service, Misc. Report. Western Washington Office, Lacey, Washington.
- Tabor, R and J. Chan. 1996. Predation on sockeye Salmon fry by piscivorous fishes in the Lower Cedar River and southern Lake Washinton. Miscellaneous Report. U. S. Fish and Wildlife Service, Western Washington Fishery Resource Office, Olympia, Washington. 59 pp.

- Taylor, E.B. 1988. Adaptive variation in rheotactic and agnostic behavior in newly emerged fry of chinook salmon, *Oncorhynchus tschawytscha*, from ocean- and stream-type populations. Can. J. Fish. Aquatic Sci. 45:237-243.
- Taylor, E.B., and P.A. Larkin. 1986. Current response and agnostic behavior in newly emerged fry of chinook salmon, *Oncorhynchus tschawytscha*, from ocean- and stream-type populations. Can. J. Fish. Aquat. Sci. 43:565-573.
- Taylor, R. 1989. Unpublished data. Washington Department of Wildlife, Olympia, Washington.
- Terres, J.K. 1980. The Audubon Society encyclopedia of North American birds. Alfred A. Knopf, New York. 1109 pp.
- Thomas, D.W. 1988. The distribution of bats in different ages of Douglas-fir forests. J. Wildl. Manage. 52:619-626.
- Thomas, D.W. and S.D. West. 1991. Forest age successions of bats in the Washington cascade and Oregon Coast Ranges. Pp. 295-303 *in* L.F. Ruggiero, K.B. Aubry, A.B. Carey, and M.H. Huff (tech. coords.). Wildlife and vegetation of unmanaged Douglas-fir forests. USDA Forest Service Gen. Tech. Rept. PNW-GTR-285. Pacific Northwest Res. Station. Portland, Oregon. 533 pp.
- Thomas, J.W. (ed.). 1979. Wildlife habitats in managed forests of the Blue Mountains of Oregon and Washington. Agriculture Handbook 553. USDA Forest Service. Washington, D.C.
- Thomas, J.W., E.D. Forsman, J.B. Lint, E.C. Meslow, B.R. Noon, and J. Verner. 1990. A conservation strategy for the northern spotted owl. Interagency Scientific Committee to Address the Conservation of the Northern Spotted Owl. Portland, Oregon. 427 pp.
- Thomas, J.W., M.G. Raphael, R.G. Anthony, et al. 1993. Viability assessments and management considerations for species associated with late-successional and old-growth forests of the Pacific Northwest. U.S. Department of Agriculture, National Forest System, Forest Service Research, Washington, D.C. 523 pp.
- Thompson, E.N. 1970. North Cascades N.P., Ross lake N.R.A., and Lake Chelan N.R.A.: History and basic data. Office of History and Historic Architecture, Eastern Service Center, USDI National Park Service, Washington, D.C. 301 pp.
- Thompson, K. 1972. Determining streamflows for fish life. Proceedings of the instream flow requirements workshop, Portland, Oregon, March 15-16, 1972.
- Thorne, R.E., and J.J. Ames. 1987. A note on the variability of marine survival of sockeye salmon (*Oncorhynchus nerka*) and effects of flooding on spawning success. Can. J. Fish Aquat. Sci. 44:1791-1795.
- Thrailkill, J.A., and E.C. Meslow. 1990. Home range and size and habitat utilization of northern spotted owls in the Wolf Creek study area, Eugene BLM district, Oregon. Oregon State University, Oregon Cooperative Wildlife Research Unit.
- Tilman, D., and J.A. Downing. 1994. Biodiversity and stability in grasslands. Nature 367:363-365.
- Tiner, R.W. 1984. Wetlands of the United States: current status and recent trends. U.S. Fish and Wildlife Service, Habitat resources Center, Newton Corner, Massachusetts. 58 pp.
- Titus, J.R., and L.W. VanDruff. 1981. Response of the common loon (*Gavia immer*) to recreational pressure in the Boundary Waters Canoe Area of northeastern Minnesota. Wildl. Monograph 79:5-59.

- Titus, K., R.E. Lowell, C.J. Flatten, and E.J. Degayner. 1995. Northern goshawk habitat associations, use areas and juvenile dispersal on the Tongass National Forest, Alaska. Condor. Vol. 29.
- Traxler, G.S., J.R. Roome, and M.L. Kent. 1993. Transmission of infectious hematopoietic necrosis virus in seawater. Diseases of Aquatic Organisms 16:111-114.
- Trihey, E.W., and D. Wegner. 1981. Field data collection procedures for use with the habitat simulation system of the instream flow group. U.S. Fish and Wildlife Service, Fort Collins, Colorado.
- Tuchmann, E.T., K.P. Connaughton, L.E. Freedman, C.B. Moriwaki, and M.H. Brookes (eds.). 1996. The Northwest forest plan: a report to the President and Congress. U.S. Department of Agriculture, Office of Forestry and Economic Assistance. Washington, D.C. 253 pp.
- Turner, F.B. 1958. Life history of the western spotted frog in Yellowstone National Park. Herpetologica 14:96-100.
- United States Army Corps of Engineers. 1993. Draft Lake Washington Ship Canal Project Master Plan, Design Memorandum 9. USACOE, Seattle District. Seattle Washington.
- U.S. Department of Agriculture. 1994. Record of decision for amendments to Forest Service and Bureau of Land Management planning documents within the range of the northern spotted owl. U.S. Department of Agriculture and U.S. Department of the Interior. Portland, Oregon.
- U.S. Department of Agriculture. 1996. Green River Watershed analysis. U.S. Forest Service. Mt. Baker-Snoqualmie National Forest, North Bend Ranger District. North Bend, Washington.
- U.S. Department of Agriculture. 1998. Final Environmental Impact Statement for the I-90 Land Exchange. Gifford Pinchot, Mount Baker-Snoqualmie, and Wenatchee National Forests.
- U.S. Department of Commerce. 1997. Impact of sea lions and seals on Pacific Coast salmonids.

 National Oceanic and Atmospheric Administration. NOAA-NWFSC Tech Memo 28.
- U.S. Department of the Interior. 1982. Grizzly bear recovery plan. U.S. Department of the Interior, Fish and Wildlife Service, Denver, Colorado. 195 pp.
- U.S. Department of the Interior. 1986. Pacific bald eagle recovery plan. U.S. Department of the Interior, Fish and Wildlife Service, Portland, Oregon. 163 pp.
- U.S. Department of the Interior. 1987. Northern Rocky Mountain wolf recovery plan. USDI Fish and Wildlife Service, Denver, Colorado. 119 pp.
- U.S. Department of the Interior. 1992a. Endangered and threatened wildlife and plants; determination of threatened status for the Washington, Oregon, and California populations of the marbled murrelet. Federal Register Vol. 57, No., 191:45238-45337. October 1, 1992.
- U.S. Department of the Interior. 1992b. Recovery plan for the northern spotted owl draft. U. S. Department of the Interior, Portland, Oregon. 662 pp.
- U.S. Department of the Interior. 1993. Grizzly recovery plan (revised). U.S. Department of the Interior, Fish and Wildlife Service, Missoula, Montana. 181 pp.

- U.S. Department of the Interior. 1995a. Endangered and threatened wildlife and plants; proposed special rule for the conservation of the northern spotted owl on non-federal lands;
 Proposed Rule. U.S. Department of the Interior, Washington, DC. Federal Register Vol. 60, No. 33, Proposed special rule. Pp. 9483-9527.
- U.S. Department of the Interior. 1995b. Alluvium distribution in Lake Mills, Glines Canyon Project, and Lake Aldwell, Elwha Project, Washington. Elwha Technical Series PN-95-4. Bureau of Reclamation, Pacific Northwest Region. Boise, Idaho.
- U.S. Department of the Interior. 1995c. Species account for the bald eagle (*Haliaeetus leucocephalus*). USDI Fish and Wildlife Service. World Wide Web page: www.fws.gov/r9extaff/biologues/bio_eagl.html.
- U.S. Department of the Interior. 1996a. Endangered and threatened wildlife and plants; proposed special rule for the conservation of the northern spotted owl on non-federal lands. U.S. Department of the Interior, Washington, DC. Federal Register Vol. 61, No. 37, Notice of availability of the draft environmental alternatives analysis. Pp. 6964-6965.
- U.S. Department of the Interior. 1996b. Endangered and threatened wildlife and plants; proposed special rule for the conservation of the northern spotted owl on non-federal lands. U.S. Department of the Interior, Washington, DC. Federal Register Vol. 61, No. 92, Proposed special rule; additional information. Pp. 21426-21430.
- U.S. Department of the Interior. 1996c. Endangered and threatened wildlife and plants; Final designation of critical habitat for the marbled murrelet. U.S. Department of the Interior, Washington, DC. Federal Register Vol. 61, No. 102, Final Rule. Pp. 26255-26320.
- U.S. Department of the Interior. 1996d. An Environmental Alternatives Analysis for a 4(d) Rule for the Northern Spotted Owl. U.S. Fish and Wildlife Service. http://www.r1.fws.gov/4deaa/4deaa.html
- U.S. Department of the Interior. 1996e. Endangered species habitat conservation planning handbook. USDI Fish and Wildlife Service and USDC National Marine Fisheries Service. 61 FR 63854. Issued December 2, 1996.
- U.S. Department of the Interior. 1997a. Recovery plan for the threatened marbled murrelet (*Brachyramphus marmoratus*) in Washington, Oregon, and California. USDI Fish and Wildlife Service, Portland, Oregon. 203 pp.
- U.S. Department of the Interior. 1997b. Grizzly bear recovery plan. Supplement: north Cascades ecosystem recovery plan chapter. USDI Fish and Wildlife Service, Missoula, Montana. 35 pp. plus appendix.
- U.S. Fish Commission. 1897. Salmon Investigations in the Columbia River Basin in 1896.
- U.S. Forest Service. 1993. Region 6: Interim old growth definition. U.S. Department of Agriculture, Forest Service.
- Van Daele, L.J., and H.A. Van Daele. 1982. Factors affecting the productivity of ospreys nesting in west-central Idaho. Condor 84:292-99.
- van Zyll De Jong, C.G. 1979. Distribution and systematic relationships of long-eared *Myotis* in western Canada. Can. J. Zoology 57:987-94.
- van Zyll De Jong, C.G. 1985. Handbook of Canadian mammals. Volume 2: bats. National Museums of Canada, Ottawa. 212 pp.

- van Zyll De Jong, C.G., and D.W. Nagorsen. 1994. A review of the distribution of *Myotis keenii* and *Myotis evotis* in British Columbia and the adjacent United States. Draft Manuscript. 26 pp. plus figures.
- Varoujean, D.H., II, and W.A. Williams. 1995. Abundance and distribution of marbled murrelets in Oregon and Washington based on aerial surveys. Pp. 327-337 in C.J. Ralph, G.L. Hunt, Jr., M.G. Raphael, and J.F. Piatt (eds.). Ecology and conservation of the marbled murrelet. U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station, Albany, California. Gen. Tech. Rep. PSW-152.
- Vermeer, K. 1973. Some aspects of nesting requirements of common loons in Alberta. Wilson Bull. 85:429-435.
- Vladykov, V.D., and W.I. Follett. 1958. Redescription of *Lampetra ayersii* (Gunther) of western North America, a species of lamprey (Petromyzontidae) distinct from *Lampetra fluviatilis* (Linnaeus) of Europe. J. Fish. Res. Board Can. 15(1):47-77.
- Volk, E. C., S. L. Schroder and K. L. Fresh. 1990. Inducement of unique otolith banding patterns as a practical means to mass-mark juvenile pacific salmon. American Fisheries Society Sypmpsium 7:203-215.
- Vos, K.K., R.A. Ryder, and W.D. Graul. 1985. Response of breeding great blue herons to human disturbance in north central Colorado. Colonial Waterbirds 8(1):13-22.
- Wahl, T.R., and D.R. Paulson. 1991. A guide to bird finding in Washington. T.R. Wahl, Bellingham, Washington.
- Wallen, R.L. 1987. Habitat utilization by harlequin ducks in Grand Teton National Park. M.S. Thesis. Montana State University, Bozeman, Montana.
- Walters, C. J. 1986. Adaptive management of renewable resources. MacMillan Publishing Company, New York, New York. 374 pp.
- Waples, R. 1998. Memorandum from Robin Waples, NMFS, to Bill Robinson, NMFS, dated July 24, 1998, concerning the Cedar River Watershed Habitat Conservation Plan. 13 pp. (included as Appendix 29)
- Ward, J.V. 1989. The four-dimensional nature of lotic ecosystems. Journal of the North American Benthological Society 8(1):2-8.
- Washington Department of Ecology. 1979. Washington State water program WWIRPP series no. 1: Cedar-Sammamish basin instream resources protection program including proposed administrative rules and supplemental environmental impact statement (water resource inventory area 8). Washington Department of Ecology, Olympia, Washington. 147 pp.
- Washington Department of Fish and Wildlife. 1989. Washington Department of Fish and Wildlife, revised instream flow guidelines. Washington Department of Fish and Wildlife, Olympia, Washington.
- Washington Department of Fish and Wildlife. 1994a. Draft management recommendations for Washington's priority habitats and species. Unpublished Report, Washington Department of Fish and Wildlife, Olympia, Washington.
- Washington Department of Fish and Wildlife. 1994b. Nongame data systems. Priority habitat and species database. Washington Department of Fish and Wildlife, Olympia, Washington.
- Washington Department of Fish and Wildlife. 1996a. Priority habitats and species list. Habitat Program, Washington Department of Fish and Wildlife, Olympia, Washington.

- Washington Department of Fish and Wildlife. 1996b. Priority habitats and species program database search. Washington Department of Fish and Wildlife, Olympia, Washington.
- Washington Department of Fish and Wildlife. 1997a. Washington state salmonid stock draft inventory: bull trout/Dolly Varden. Washington Department of Fish and Wildlife, Olympia, Washington.
- Washington Department of Fish and Wildlife. 1997b. Wild salmonid policy. Final Environmental Impact Statement. September 10, 1997.
- Washington Department of Fish and Wildlife. 1997c. Spotted owl site center data set. Washington Department of Fish and Wildlife, Olympia, Washington.
- Washington Department of Fish and Wildlife. 1997d. Spotted owl site center data set. Washington Department of Fish and Wildlife, Olympia, Washington.
- Washington Department of Fish and Wildlife. 1997e. Historic summary of adult sockeye salmon returns to Lake Washington: Tables 1 and 2. Unpublished data. Olympia, Washington.
- Washington Department of Fish and Wildlife. 1997f. WDFW Species of concern: bald eagle. World Wide Web page www.wa.gov/wdfw/wlm/diversty/soc/bald.htm. Accessed 9 June 1998.
- Washington Department of Fish and Wildlife. 1997. Final Environmental Impact Statement for the Wild Salmonid Policy. Washington Department of Fish and Wildlife. Olympia, Washington. 133 pp.
- Washington Department of Fish and Wildlife. 1998a. Washington state salmonid stock draft inventory: bull trout/Dolly Varden. Washington Department of Fish and Wildlife, Olympia, Washington.
- Washington Department of Fish and Wildlife. 1998b. Website: http://www.wa.gov/wdfw/wlm/diversty/soc/status/augrevw.htm
- Washington Department of Fish and Wildlife. 1998c. Washington Fish and Wildlife Commission. Meeting minutes. October 27, 1998. Olympia, Washington. http://www.wa.gov/wdfw/com/minutes/oct2798.htm
- Washington Department of Fisheries, Washington Dept. of Wildlife, Western Washington Treaty Tribes. 1993. 1992 Washington state salmon and steelhead stock inventory. Olympia, Washington. 211pp.
- Washington Department of Fisheries. 1948. Report on the condition of spawning tributaries of the Lake Washington watershed. Washington State Archives, Department of Fisheries, Lake Washington: Cedar River, 1927-54, Acc# 72-6-566, Loc. Lo A-1-6, Box 0061-23.
- Washington Department of Natural Resources. 1996. Draft environmental impact statement for the draft habitat conservation plan. Prepared for the Washington State Department of Natural Resources. Olympia, Washington. March 22, 1996.
- Washington Department of Natural Resources. 1997. Habitat conservation plan. Washington Department of Natural Resources, Olympia. V. 1.
- Washington Department of Wildlife. 1993a. Status of the Larch Mountain salamander (*Plethodon larselli*) in Washington. Unpublished Report. Washington Department of Wildlife, Olympia, Washington.
- Washington Department of Wildlife. 1993b. Status of the western pond turtle (*Clemmys marmorata*). Washington Department of Wildlife, Olympia, Washington.

- Washington Department of Wildlife. □. Status of the North American Lynx (*Lynx canadensis*). Washington Department of Wildlife, Olympia, Washington.
- Washington Department of Wildlife. 1993d. Status of the marbled murrelet (*Brachyramphus marmoratus*) in Washington. Unpublished Report. Washington Department of Wildlife, Olympia.
- Washington Department of Wildlife. 1993e. Townsend's big-eared bat (*Plecotus townsendii*). Unpublished draft report. Washington Department of Wildlife, Olympia, Washington.
- Washington Environment 2010. 1992. The 1991 state of the environment report. Washington Environment 2010 Program. Olympia, Washington. 139 pp.
- Washington Fish and Wildlife Commission. 1997. Resolution of the Washington Fish and Wildlife Commission adopting policies to sustain and rebuild wild salmonid stocks. December 5, 1997.
- Washington Fish and Wildlife Commission. 1997. Additional Policy Guidance on Deferred Issues Concerning Wild Salmonid Policy. Washington Department of Fish and Wildlife, Olympia, Washington. 21pp.
- Washington Forest Practices Board. 1993. Board manual: standard methodology for conducting watershed analysis under Chapter 222-22 WAC. Version 2.0. October 1993. Washington Department of Forest Resources, Forest Practices Division.
- Washington Forest Practices Board. 1995. Draft environmental impact statement on forest practices rule proposals for northern spotted owl, marbled murrelet, western gray squirrel. Washington Forest Practices Board, Olympia, Washington. V. 2.
- Washington Forest Practices Board. 1997. Standard methodology for conducting watershed analysis. Version 4.0. Washington Department of Forest Resources, Forest Practices Division.
- Watson, J.W., P. Meehan-Martin, and D.W. Hays. 1996. Diets of breeding northern goshawks in western Washington state. Unpublished report, Washington Department of Fish and Wildlife, Concrete, Washington.
- Webb, R.S., and L.S. Forbes. 1982. Colony establishment in an urban site by great blue herons. Murrelet 63(3):91-92.
- Weir, R.D. 1995. Diet, spatial organization, and habitat relationships of fishers in South-Central British Columbia. M.S. Thesis. Simon Fraser University, Burnaby, British Columbia. 139 pp.
- Weisel, G.F., D.A. Hanzel, and R.L. Newell. 1973. The pygmy whitefish, *Prosopium coulteri*, in western Montana. Fishery bulletin 71(2):587-596.
- Welsh, H.H. 1990. Relictual amphibians and old-growth forests. Conservation Biology 4(3):309-319.
- Welsh, H.H., Jr., A.J. Lind, L.M. Ollivier, and D.L. Waters. 1993. A hierarchical analysis of the habitat associations of the tailed frog (*Ascaphus truei*) in the mixed coniferous/hardwood forests of northwestern California. Prepared for California Department of Forestry and Fire Protection, Sacramento, California.

- Welsh, H.H., Jr., A.M. Lind. 1991. The structure of the herpetofaunal assemblage in the Douglas-fir/hardwood forests of northwestern California and southwestern Oregon. Pp. 395-414 *in* Ruggiero, L.F., K.B. Aubry, A.B. Carey, and M.L. Huff (tech. coords.). Wildlife and vegetation of unmanaged Douglas-fir forests. Gen. Tech. Rep. PNW-GTR-285. U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. Portland, Oregon.
- Welsh, H.H., Jr., and A.J. Lind. 1988. Old growth forests and the distribution of the terrestrial herpetofauna. Pp. 439-458 *in* Szaro, R.C., K.E. Severson, and D.R. Patton (eds.). Management of amphibians, reptiles, and small mammals in North America. Gen. Tech. Rep. RM-166. Rocky Mountain Forest and Range Experiment Station, U.S. Department of Agriculture, Forest Service.
- Welsh, H.H., Jr., and A.J. Lind. 1996. Habitat correlates of the southern torrent salamander, *Rhyacotriton variegatus* (Caudata: Rhyacotritonidae) in northwestern California. J. Herpetol. 30:385-398.
- Welsh, H.H., Jr., and L.M. Ollivier. 1992. Effects of sediments on the amphibians of Prairie Creek Redwoods State Park and Redwood National Park. Report to California Department of Transportation.
- Werschkul, D.F., E. McMahaon, and M. Leitschuh. 1976. Some effects of human activities on the great blue heron in Oregon. Wilson Bull. 88(4):660-662.
- Whately, M.R. 1977. Kispiox River steelhead trout: the 1975 sport fishery and life history characteristics form angler's catches. B.C. Fish and Wildl. Branch, Fish. Tech. Circ. 30. 23 pp.
- Whitaker, J.O., Jr., C. Maser, and L.E. Keller. 1977. Food habits of bats of western Oregon. Northwest Science 51:46-55.
- Whitaker, J.O., Jr., C. Maser, and S.P. Cross. 1981. Food habits of eastern Oregon bats, based on stomach and scat analysis. Northwest Science 55:281-92.
- Whitney, S. 1997. Western forests. National Audubon Society nature guide. Alfred A. Knopf, Inc. New York, New York. 670 pp.
- Wiggens, W.D., G.P. Ruppert, R.R. Smith, L.L. Reed, L.E. Hubbard, and M.L. Courts. 1997. Water resources data, Washington water year 1996. USGS Water Resources Division, Tacoma, Washington. 529 pp.
- Wilcove, D.S. 1985. Nest predation in forest tracts and the decline of migratory songbirds. Ecology 66:1211-1214.
- Wilcove, D.S., C.H. McLellan, and A.P. Dobson. 1986. Habitat fragmentation in the temperate zone. Pp. 237-256 *in* M.E. Soule (ed.). Conservation biology: the science of scarcity and diversity. Sinauer Associates. Sunderland, Massachusetts.
- Wilcox, H.H. 1952. The pelvic musculature of the loon, *Gavia immer*. Amer. Mid. Nat. 48:513-573.
- Williams, J. E. and C. D Williams. 1997. An Ecosystem-based Approach to Management of Salmon and Steelhead Habitat. Pp541-556. *In:* D. J. Stouder, P.A. Bisson, and R. J. Naiman. (eds.). Pacific Salmon and Their Ecosystems. Chapman and Hall, New York, NY.
- Williams, R.W., R.M. Laramie, and J.J. Ames. 1975. A catalog of Washington streams and salmon utilization. Volume 1. Puget Sound Region. Washington Department of Fisheries. Olympia, Washington.

- Withler, F.C. 1955. Coho salmon fingerling attached by young lamprey. Fish Res. Board Can. Progr. Rep. Pac. 104:15.
- Withler, I.L. 1966. Variability in life history characteristics of steelhead trout (*Salmo gairdneri*) along the Pacific coast of North America. J. Fish. Res. Board Can. 23:365-393.
- Wolf, K. 1988. Infectious hematopoietic necrosis. Pp. 83-114 *in* Fish viruses and fish viral diseases. Cornell University Press. Ithaca, New York.
- Wolman, M.G. 1954. A method of sampling course river bed material. Trans. Am. Geophys. Union 35(6):951-956.
- Woodey, J.C. 1972. Distribution, feeding and growth of juvenile sockeye salmon in Lake Washington. PhD. Dissertation, University of Washington, Seattle, Washington. 207 pp.
- Woodin, R.M. 1984. Evaluation of Salmon Fry Stranding Induced by Fluctuating Hydroelectric Discharge in the Skagit River, 1980-1983. Washington Department of Fisheries Tech. Rep. 83. Olympia, Washington. 38 pp.
- WWRA, 1971. Washington Water Resources Act of 1971, Revised Code of Washington 90.54. Olympia, Washington.
- Wydoski, R.S., and R.R. Whitney. 1979. Inland fishes of Washington.. University of Washington Press, Seattle, Washington. 220 pp.
- Wyman, K.H. 1975. Two unfished salmonid populations in Lake Chester Morse. M.S. Thesis. University of Washington. Seattle, Washington.
- Yancey, R.M., and F.V. Thorsteinson. 1963. The king salmon of Cook Inlet, Alaska. U.S. Fish and Wildlife Service Sec. Sci. Rep. Fish. 440. 18 pp.
- Zager, P.E. 1980. The influence of logging and wildfire on grizzly bear habitat in northwestern Montana. Ph.D. Dissertation, University of Montana, Missoula. 131 pp.
- Zarn, M. 1974. Osprey (*Pandion haliaetus carolinensis*). USDI Bureau of Land Management, Habitat Management Series for Unique or Endangered Species, Rep. 12. Denver, Colorado.
- Zeilinski, W.J., W.D. Spencer, and R.D. Barrett. 1983. Relationship between food habits and activity patterns of pine martens. Journal of Mammalogy 64:387-396.
- Zeiner, D.C., W.F. Laudenslayer, Jr., and K.E. Mayer (compiling eds). 1988. California's Wildlife. Volume I. Amphibians and reptiles. California Department of Fish and Game, Sacramento, California. 272 pp.
- Zeiner, D.C., W.F. Laudenslayer, Jr., K.E. Mayer, and M. White (eds.). 1990a. California's Wildlife. Volume II. Birds. California Department of Fish and Game, Sacramento, California. November 1990.
- Zeiner, D.C., W.F. Laudenslayer, Jr., K.E. Mayer, and M. White (eds.). 1990b. California's wildlife, volume III, mammals. State of California, The Resources Agency, California Department of Fish and Game, Sacramento, California.
- Zielinski, W.J., R.L. Truex, C.V. Ogan, and K. Busse. 1997. Detection surveys for fisher and American marten in California, 1989-1994: Summary and interpretations. Pp. 372-392 *in* Proulx, G., H.N. Bryant, and P.M. Woodard (eds.). *Martes*: taxonomy, ecology, techniques, and management. Provincial Museum of Alberta, Edmonton, Alberta.

Zillges, G. 1977. Methodology for determining Puget Sound coho escapement goals, escapement estimates, 1977 pre-season run size prediction and in-season assessment. Technical Report No. 28. Washington Department of Fisheries, Olympia, Washington. 64 pp.