

Appendix C: Suggested Reading C

1. Abbott, R.R., "Induced Aggregation of Pond-reared Rainbow Trout (*Salmo gairdneri*) Through Acoustic Conditioning," *Transactions of the American Fisheries Society* 101:35–43, 1972.
2. American Fisheries Society, "Common and Scientific Names of Fishes from the United States and Canada," 5th Ed. (Bethesda, MD: American Fisheries Society, 1991).
3. Anderson, D.P., "Immunological Indicators: Effects of Environmental Stress on Immune Protection and Disease Outbreaks," *American Fisheries Symposium* 8:35–50, 1990.
4. Anderson, J.J., "Diverting Migrating Fish Past Turbines," *The Northwest Journal of Fisheries Management* 14:237–61, 1994.
5. Astrup, J., and Mhl, B., "Detection of Intense Ultrasound by the Cod, *Gadus morhua*," *Journal Experimental Biology* 182:71–80, 1993.
6. Bakke, B.M., "Managing for Productivity: A New Strategy for Pacific Salmon Recovery," *Trout, The Journal of Coldwater Fisheries Conservation* summer 1993, pp.37–40, 68–73.
7. Barnthouse, L.W., et al., (eds.), *Science, Law, and Hudson River Power Plants, A Case Study in Environmental Impact Assessment* American Fisheries Society, Monograph 4 (Bethesda, MD: American Fisheries Society, 1988).
8. Bell, M.C., "Fish Passage Through Turbines, Conduits, and Spillway Gates," *Proceedings of the Second Workshop on Entrainment and Intake Screening* Report 15, L.D. Jensen, (ed.) (Palo Alto, CA: Electric Power Research Institute, 1974) pp.251–261.
9. Bell, M.C., *Revised Compendium on the Success of Passage of Small Fish Through Turbines* (Portland, OR: U.S. Army Corps of Engineers, North Pacific Division, 1991).
10. Benke, A.C., "A Perspective on America's Vanishing Streams," *Journal of the North American Benthological Society* 9:77–88, 1990.
11. Bennett, D.H., et al., "Effects of Underwater Sound Stimulating the Intermediate Scale Measurement System on Fish and Zooplankton of Lake Pend Oreille, Idaho," Research Report #N00014-92-J-4106, College of Forestry, Wildlife and Range Sciences, University of Idaho, Moscow, ID, 1994.
12. Blaxter, J.H.S., Denton, E.J., and Gray, J.A.B., "Acoustico-lateralis Systems in Clupeid Fishes," *Hearing and Sound Communi-*

- cation in Fishes, W.N. Tavalga, A.N. Popper & R.R. Fay (eds.) (New York, NY: Springer-Verlag, 1981) pp. 39–59.
13. Blumm, M., and Simrin, A. “The Unraveling of the Parity Promise: Hydropower, Salmon, and Endangered Species in the Columbia Basin,” *Environmental Law*, 21(3):657–744, 1991.
 14. Bonneville Power Administration, U.S. Army Corp of Engineers, U.S. Department of the Interior, Bureau of Reclamation, *Columbia River System Operation Review Draft Environmental Impact Statement, Main Report* (Portland, OR: Bonneville Power Administration, July 1994).
 15. Bonneville Power Administration, U.S. Army Corp of Engineers, U.S. Department of the Interior, Bureau of Reclamation, *Columbia River System Operation Review Draft Environmental Impact Statement, Appendix C-1, Anadromous Fish* (Portland, OR: Bonneville Power Administration, July 1994).
 16. Bonneville Power Administration, U.S. Army Corp of Engineers, U.S. Department of the Interior, Bureau of Reclamation, *Columbia River System Operation Review Draft Environmental Impact Statement, Appendix K, Resident Fish* (Portland, OR: Bonneville Power Administration, July 1994).
 17. Bonneville Power Administration, U.S. Army Corps of Engineers, U.S. Department of the Interior, Bureau of Reclamation, *Columbia River System Operation Review Screening Analysis, Volume 1, Description and Conclusions* (Portland, OR: Bonneville Power Administration, August 1992).
 18. Bregman, A.S., *Auditory Scene Analysis* (Cambridge, MA: MIT Press, 1990).
 19. Buck, E.H., “The Magnuson Fishery Conservation and Management Act: Reauthorization Issues,” CRS-ENR (Washington, DC: January 25, 1993).
 20. Buckendorf, R., “FERC Interaction With Fish and Wildlife Agencies in Hydropower Licensing Under the Federal Power Act Section 10(j) Consultation Process,” *Tulsa Law Journal*, 27(1):433–452, spring 1992.
 21. Buckley, J., and Kynard, B., “Habitat Use and Behavior of Pre-Spawning and Spawning Shortnose Sturgeon, *Acipenser brevirostrum*, in the Connecticut River,” *North American Sturgeons*, F.P. Binkowski and S. Doroshov, (eds.) (Dordrecht, Netherlands: Junk Publication, 1995).
 22. Burnham, K.P., et al., “Design and Analysis Methods for Fish Survival Experiments Based on Release-Recapture,” *Monograph 5* (Bethesda, MD: American Fisheries Society, 1987).
 23. Butler, R.L., “Freshwater Drum, *Aplodinotus grunniens*, in the Navigational Impoundments of the Upper Missouri River,” *Transactions of the American Fisheries Society* 94:339–49, 1965.
 24. Butschek, V., and Hofbauer, J., “Vercuche uber die Schädigung von Aalen durch Kaplan-turbinen (Experiments on the Injury of Eels by Kaplan Turbines),” *Archiv für Fischereiwissenschaft* 7:178–84, 1956.
 25. Burtlaw, D., and Frederick, K., *Compensation Principles for the Idaho Drawdown Plan* ENR 93-17, (Washington, DC: Resources for the Future, June, 1993).
 26. Cada, G.F., and Hunsaker, C.T., “Cumulative Impacts of Hydropower Development: Reaching a Watershed in Impact Assessment,” *The Environmental Professional* 12:2-8, 1990.
 27. Calderwood, W.L., “Passage of Smolts Through Turbines. Experiments at a Power House,” *Salmon and Trout Magazine* 81:303-18, 1935.
 28. Carlander, K.D., *Handbook of Freshwater Fishery Biology, Vol. 1, Life History Data on Freshwater Fishes of the United States and Canada, Exclusive of the Perciformes* (Ames, IA: Iowa State University Press, 1969).
 29. Carlson, T.J., “Use of Sound for Fish Protection at Power Production Facilities: An Historical Perspective of the State of the Art,” Pacific Northwest Laboratories Project 92-

- 071, U. S. Dept. of Energy, Bonneville Power Administration, Richland, WA, 1994.
30. Clay, C.H., "Design of Fishways and Other Fish Facilities," The Department of Fisheries of Canada, Ottawa, Canada, 1961.
 31. Colt, J., and White, R.J., (eds.), *Fisheries Bioengineering Symposium*, Symposium 10 (Bethesda, MD: American Fisheries Society, 1991).
 32. ConEdison, "Evaluation of Underwater Sound to Reduce Impingement at the Arthur Kill Station," Consolidated Edison Company of New York, Inc., Final Report, 1994.
 33. Coombs, S., Görner, P., and Münz, H., (eds.), *"The Mechanosensory Lateral Line, Neurobiology and Evolution"* (New York, NY: Springer, 1989).
 34. Coombs, S., Janssen, J., and Montgomery, J., "Functional and Evolutionary Implications of Peripheral Diversity in Lateral Line Systems," *Evolutionary Biology of Hearing*, D.B. Webster, R.R. Fay and A.N. Popper (eds.) (New York, NY: Springer-Verlag, 1992).
 35. Coutant, C.C., "Testing the Waters," *Electric Perspectives*, July-August 1992, pp.32-40.
 36. Cox, M., et al., "Anatomical Effects of Intense Tone Stimulation in the Goldfish Ear: Dependence on Sound Pressure Level and Frequency," *Journal Acoustic Society of America* 89:S100, 1987.
 37. Cox, M., et al., "Frequency Regionalization in the Fish Ear," *Journal Acoustic Society of America* 79:S80, 1986.
 38. Cox, M., et al., "Anatomical effects of Intense Tone Stimulation in the Ear of Bony Fishes," *Journal Acoustic Society of America* 80:S75, 1986.
 39. Cramer, S.P. and Associates, Inc., "Evaluation of Sound and Electrical Fish Guidance Systems at Wilkins Slough Diversion Operated by Reclamation District 108," March 1994.
 40. Denton, E.J. and Gray, J.A.B., "Stimulation of the Acoustico-Lateralis System of Clupeid Fish by External Sources and their Own Movements," *Phil. Transactions Royal Society London Series B*(341):113-127, 1993.
 41. Denton, E.J. and Gray, J.A.B., "Some Observations on the Forces Acting on Neuromasts in Fish Lateral Line Canals," *The Mechanosensory Lateral Line—Neurobiology and Evolution*, S. Coombs, P. Görner and H. Münz, (eds.) (New York, NY: Springer-Verlag, 1989).
 42. Devine, B., "The Salmon Dammed," *Audubon* 94(1):83-89, 1992.
 43. Dunning, D.J., et al., "Alewives Avoid High-Frequency Sound," *North American Journal Fisheries Management* 12:407-16, 1992.
 44. Eaton, R.C., DiDomenico, R., and Nissanov, J., "Role of the Mauthner Cell in Sensorimotor Integration by the Brain Stem Escape Network," *Brain, Behavioral Evolution* 37:272-285, 1991.
 45. Electric Power Research Institute (EPRI), "Research Update on Fish Protection Technologies for Water Intakes," Prepared by Stone & Webster Environmental Technology and Services, Boston, MA, review draft, August 1993.
 46. Electric Power Research Institute (EPRI), "Guidelines for Applying Fish Protection/Passage Technologies at Hydroelectric Projects and Other Water Intakes," prepared by Stone & Webster Environmental Technology and Services, Boston, MA, review team draft, November 1993.
 47. Electric Power Research Institute (EPRI), "Lessons Learned in Hydro Relicensing (1984-1989) Purpose: Trends, Costs, and Recommendations," prepared by Richard Hunt Associates, Annapolis, MD, May 1991.
 48. Enger, P.S., et al., "Detection and Reaction of Fish to Infrasound," *ICES Marine Science Symposium* 196:108-112, 1993.
 49. Enger, P.S., "Frequency Discrimination in Teleosts-Central or Peripheral?" *Hearing and Sound Communication in Fishes*, W. M. Tavolga, A. N. Popper and R.R. Fay, (eds.) (New York, NY: Springer-Verlag, 1981).

50. Enger, P.S., "Hearing in Herring," *Comparative Biochemical Physiology* 22:527–538, 1967.
51. Engström, B., Borg, E., and Canlon, B., "Morphology of Stereocilia on Cochlear Hair Cells After Noise Exposure," *Basic and Applied Aspects of Noise-Induced Hearing Loss*, R. J. Salvi, et al., (eds.) (New York, NY: Plenum, 1986).
52. Escheverria, J.D., *Rivers at Risk: The Concerned Citizen's Guide to Hydropower* (Washington, DC: Island Press, 1989).
53. Empire State Electric Energy Research Corporation (ESEERCO), "Responses of White Perch, Striped Bass, Alewives, Spottail Shiners, Golden Shiners, and Atlantic Tomcod in a Cage to High and Low Frequency Underwater Sounds Generated by an Electronic Fish Startle System," ESEERCO, Project EP89-30, 1991.
54. Fay, R.R., *Hearing in Vertebrates: A Psychophysics Data Book* (Winnetka, IL: Hill-Fay Assoc., 1988).
55. Federal Energy Regulation Commission (FERC), "Draft Order Denying Requests For Rehearing on Projects No. 2570-018,-019, and -020," Washington, DC, 1995.
56. Federal Energy Regulatory Commission (FERC), "Revised List of Comprehensive Plans," FERC, Office of Hydropower Licensing, Washington, DC, May 1994.
57. Federal Energy Regulatory Commission (FERC), "DRAFT Environmental Impact Statement, Lower Penobscot River Basin, Maine," FERC/DEIS-0082, FERC, Office of Hydropower Licensing, Washington, DC, November 1994.
58. Federal Energy Regulatory Commission (FERC), "Identifying Transmission Facilities at FERC Hydroelectric Projects," Paper No. DPR-6, FERC, Office of Hydropower Licensing, Washington, DC, January 1993.
59. Federal Energy Regulatory Commission (FERC), "Hydropower Licensing and Endangered Species, Procedures for Complying with the Endangered Species Act," Paper No. DRP-7, FERC, Office of Hydropower Licensing, Washington, DC, February 1993.
60. Federal Energy Regulatory Commission (FERC), "Evaluating Geologic and Soild Issues at the Federal Energy Regulatory Commission," Paper No. DPR-3, FERC, Office of Hydropower Licensing, Washington, DC, March 1992.
61. Federal Energy Regulatory Commission (FERC), "Manual of Standard Special Articles," Paper No. DPR-4, FERC, Office of Hydropower Licensing, Washington, DC, April 1992.
62. Federal Energy Regulatory Commission (FERC), "Report on Stream Ice Processes, Physical and Biological Effects and Relationship to Hydroelectric Projects," Paper No. DPR-5, FERC, Office of Hydropower Licensing, Washington, DC, July 1992.
63. Federal Energy Regulatory Commission (FERC), "Evaluating Relicense Proposals at the Federal Energy Regulatory Commission," Paper No. DPR-2, FERC, Office of Hydropower Licensing, Washington, DC, April 1991.
64. Feist, B. E. and Anderson, J.J., "Review of fish behavior relevant to fish guidance systems. Fisheries Research Unit," Report FRI-UW-9102, University of Washington, Seattle WA, 1991.
65. Fernald, R. D., "Aquatic Adaptations in Fish Eyes," *Sensory Biology of Aquatic Animals*, J. Atema, et al., (eds.), (New York, NY: Springer-Verlag, 1988).
66. Fulton, E., "Lessons Learned About Fish Entrainment," *Hydro Review* 14:16–25, 1995.
67. Gardner, J.A., and Woodall Jr., W.R., "Entrainment of Ichthyoplankton at Hatch Nuclear Plant," *Proceedings of the First Symposium on Freshwater Larval Fish. Southeastern Electric Exchange*, L.L. Olmsted (ed.) Atlanta, GA, 1977, pp. 94–116.
68. Geen, G.H., et al., "Life Histories of Two Species of Catostomid Fishes in Sixteen Mile Lake, British Columbia, with Particular Reference to Inlet Spawning," *Journal of*

- The Fisheries Research Board Of Canada* 23:1761–88, 1966.
69. Gehrke, P.C., “Influence of Light Intensity and Wavelength on Photoactive Behavior of Larval Silver Perch *Bidyanus bidyanus* and Golden Perch *Macquaria ambigua* and the Effectiveness of Light Traps,” *Journal of Fish Biology* 44:741–751, 1994.
 70. Greenstreet, S.P.R., “Migration of Hatchery Reared Juvenile Atlantic Salmon, *Salmo salar*, Smolts Down a Release Ladder, Environmental Effects on Migratory Activity,” *Journal of Fish Biology* 40(5):655–666, 1992.
 71. Gresswell, R.E., *Status and Management of Interior Stocks of Cutthroat Trout*, Symposium 4 (Bethesda, MD: American Fisheries Society, 1988).
 72. Gulliver, J. and Arndt, R.E.A., *Hydropower Engineering Handbook* (New York, NY: McGraw–Hill, Inc., 1991).
 73. Hadderingh, R.H., and Kema, N.V., “Experimental Reduction of Fish Impingement by Artificial Illumination at Bergum Power Station,” *International Review Ges. Hydrobiol-ogy* 67:887–90, 1982.
 74. Hall, G.E., and Van Den Avyle, M.J., (eds.), “Reservoir Fisheries Management: Strategies for the 80’s,” Proceedings of a Symposium held in Lexington, KY, June 13–16, 1983, Reservoir Committee, Southern Division, American Fisheries Society (Bethesda, MD: American Fisheries Society, 1986).
 75. Haymes, G.T. and Patrick, P.H., “Exclusion of Adult Alewife, (*Alosa pseudoharengus*), Using Low-frequency Sound for Application at Water Intakes,” *Canadian Journal Fisheries Aquatic Sciences* 43:855–62, 1986.
 76. Haymes, G.T., Patrick, P.H., and Onisto, L.J., “Attraction of Fish to Mercury Vapour Light and its Application in a Generating Station Forebay,” *International Review Ges. Hydrobiolgy*, 69:867–876, 1984.
 77. Heisey, P., Mathur, D., and D’Allesandro, L., “A New Technique for Assessing Fish Passage Survival at Hydro Power Stations,” *Proceedings of the Workshop on Fish Passage at Hydroelectric Developments*, U.P. Williams, et al., (eds.) (St. John’s, Newfoundland: Canadian Technical Report on Fish and Aquatic Sciences, 1993).
 78. Helmstetter, F.J., and Bellgowan, P.S., “Hypoplasia in Response to Sensitization During Acute Noise Stress,” *Behavioral Neuroscience* 108:177–185, 1994.
 79. Hilborn, R., “Hatcheries and the Future of Salmon in the Northwest” in *Fisheries* 17(1):5–8, January–February 1992.
 80. Hilgert, P.H., “Evaluation of a Graduated Electric Field as a Fish Exclusion Device,” Beak Consultants Inc. for Puget Sound Power & Light Co, Bellevue, WA, 1992.
 81. Hoar, W.S., Keenleyside, M.H.A., and Goodall, R.G., “Reactions of Juvenile Pacific Salmon to Light,” *Journal Fisheries Research Board Canada* 14:815–830, 1957.
 82. Hocutt, C.H., “Behavioral Barriers and Guidance Systems,” *Power Plants: Effects on Fish and Shellfish Behavior*, C.H. Hocutt, et al., (eds.) (New York, NY: Academic Press, 1980).
 83. Hocutt, C.H., et al., (eds.), *Power Plants, Effects on Fish and Shellfish Behavior* (New York, NY: Academic Press, 1980).
 84. Hoese, H.D., and Konikoff, M.A., “Cameron-Creole Watershed Management. Fisheries Study,” prepared for Coastal Management Division, Louisiana Department of Natural Resources, SFP No. 21913-89-16, 1990.
 85. Holden, P.B., “Ecology of Riverine Fishes in Regulated Stream Systems with Emphasis on the Colorado River,” *The Ecology of Regulated Streams*, J.V. Ward and J.A. Stanford, (eds.) (New York, NY: Plenum Press, 1979).
 86. Hoyt, R.D., (ed.), “10th Annual Larval Fish Conference,” Proceedings of a Conference Held in Miami, FL, May 18–23, 1986, American Fisheries Society Symposium 2, Bethesda, MD, 1987.
 87. Hunt, R.T., “The Status of Hydropower Regulation and Development—1989,” Richard Hunt Associates, Annapolis, MD, December 1989.

88. Hunt, R., and Hunt, J.M., "Reinventing the Process," *Independent Energy* November 1994, pp. 75–77.
89. Huppert, D.D., and Fluharty, D.L., "Economics of Snake River Salmon Recovery, A Report to the National Marine Fisheries Service," School of Marine Affairs, College of Ocean and Fishery Sciences, Seattle, WA, February 1995.
90. Kalmijn, A.J., "Functional Evolution of Lateral Line and Inner Ear Systems," in *The Mechanosensory Lateral Line—Neurobiology and Evolution*, S. Coombs, P. Görner and H. Münz, (eds.) (New York, NY: Springer-Verlag, 1989) pp.187–216.
91. Kalmijn, A.J. , "Hydrodynamic and Acoustic Field Detection," *Sensory Biology of Aquatic Animals*, J. Atema, et al., (eds) (New York, NY: Springer, 1988).
92. Kalmijn, A.J., "Detection of Weak Electric Fields," *Sensory Biology of Aquatic Animals*, J. Atema, et al., (eds.) (New York, NY: Springer, 1988).
93. Karlsen, H.E., "Infrasound Sensitivity in the Plaice (*Pleuronectes platessa*)," *Journal Experimental Biology* 171:173–187, 1992.
94. Karlsen, H.E., "The Inner Ear is Responsible for Detection of Infrasound in the Perch (*Perca fluviatilis*)," *Journal Experimental Biology* 171:163–172, 1992.
95. Katopodis, C., et al., *Assessment of Two Denil Fishways for Passage of Freshwater Species* American Fisheries Society Symposium 10, Bethesda, MD, 1991.
96. Kelso, J.R.M., and J.K. Leslie, "Entrainment of Larval Fish by the Douglas Point Generating Station, Lake Huron, in Relation to Seasonal Succession and Distribution," *Journal of The Fisheries Research Board Of Canada* 36:37–41, 1979.
97. Kerwin, J.G., *Federal Water-Power Legislation* (New York, NY: AMS Press, Inc., 1926).
98. Kleinschmidt Associates, "Fish Entrainment and Mortality Study, Final Report," prepared for Niagara Mohawk Power Corporation, Syracuse, New York, 1995.
99. Kohler, C.C., and W.A. Hubert, (eds.), *Inland Fisheries Management in North America* (Bethesda, MD: American Fisheries Society, 1993).
100. Lee, K.N., "Rebuilding Confidence: Salmon, Science, and Law in the Columbia Basin," *Environmental Law* 21(3):745–806, 1991.
101. Lombarte, A., et al., "Damage and Regeneration of Hair Cell Ciliary Bundles in a Fish Ear Following Treatment with Gentamicin," *Hearing Research* 66:166–174, 1993.
102. Mallen-Cooper, M., "How High Can a Fish Jump?" *New Scientist* 142:32–37, 1994.
103. Martin, P., et al., "A Demonstration of Strobe Lights to Repel Fish," American Society Civil Engineers, *Waterpower '91 Proceedings of the International Conference on Hydropower* (Portland, OR: American Society of Civil Engineering, 1991).
104. Mayden, R.L., et al., "The Native Freshwater Fishes of North America," *Systematics, Historical Ecology, and North American Freshwater Fishes*, R.L. Mayden (ed.) (Stanford, CA: Stanford University Press, 1992).
105. Merriman, D., and L.M. Thorpe (ed.), "The Connecticut River Ecological Study. The Impact of a Nuclear Power Plant," American Fisheries Society, Monograph No.1 (Lawrence, KS: Allen Press, Inc., 1976).
106. Miller, D.R., and A.E. Giorgi, et al., "Effects of Flow on the Migratory Behavior and Survival of Juvenile Fall and Summer Chinook Salmon in John Day Reservoir," Annual Report of Research Financed by Bonneville Power Administration, Seattle, WA, December 1985.
107. National Park Service, "Final Environmental Impact Statement, Elwha River Ecosystem Restoration, Olympic National Park, Washington," June 1995.
108. National Research Council (NRC), "Low-frequency Sound and Marine Mammals: Current Knowledge and Research Needs," Committee on Low-Frequency Sound and Marine Mammals, Ocean Studies Board,

- NRC, National Academy Press, Washington DC, 1994.
109. Nehlsen, W., J.E. Williams, and J.A. Lichatowich, "Pacific Salmon at the Crossroads: Stocks at Risk from California, Oregon, Idaho, and Washington," *Fisheries* 16(2):4–21, 1991.
 110. Nestler, J.M., et al., "Development of an Operational, Full-Scale Fish Protection System at a Major Pumped-storage Hydropower Dam," American Society of Civil Engineers, 1995.
 111. Nestler, J.M., et al., "Responses of Blueback Herring to High-frequency Sound and Implications for Reducing Entrainment at Hydropower Dams," *North American Journal of Fisheries Management*, 12:667–83, 1992.
 112. New England Power Company (NEPCO), RMC Environmental Services, Inc. and Sonalysts, Inc., "Effect of Ensonification on Juvenile American Shad Movement and Behavior at Vernon Hydroelectric Station," RMC Project No.4196, 1993.
 113. Olsen, K., "Evidence for Localization of Sound by Fish in Schools," *Sound Reception in Fish*, A. Schuijf and A.D. Hawkins (eds.) (Amsterdam: Elsevier, 1976).
 114. Olson, F.W., R.G. White, and R.H. Hamre (eds.) *Proceedings of the Symposium on Small Hydropower and Fisheries*, Sponsored by the American Fisheries Society, May 1–3, 1985, Aurora, CO.
 115. Parker, J.A., "Migratory Patterns and Exploitation of American Shad in the Farshore Ocean Waters of Southeastern North Carolina," *North American Journal of Fisheries Management* 12:752–59, 1992.
 116. Patrick, P.H., R.W. Sheehan, and B. Sim, "Effectiveness of a Strobe Light Eel Exclusion Scheme," *Hydrobiologica* 94:269–277, 1982.
 117. Platt, C., "The Peripheral Vestibular System in Fishes," *Fish Neurobiology*, R.G. Northcutt, R.E. Davis (eds.) (Ann Arbor, MI: Univ. of Michigan Press, 1983) pp. 89–124.
 118. Popper, A.N., and C. Platt, "Inner Ear and Lateral Line of Bony Fishes," *The Physiology of Fish*, D. H. Evans (ed.) (Boca Raton, FL: CRC Press, 1993).
 119. Popper, A.N., and N.L. Clarke, "The Auditory System of the Goldfish (*Carassius auratus*): Effects of Intense Acoustic Stimulation," *Compendium Biochemical Physiology* 53:11–18, 1976.
 120. Prendergast, J., "Hydropower's Balancing Act," *Civil Engineering* 61(10):42–45, 1991.
 121. Priegel, G.R. "Reproduction and Early Life History of the Walleye in the Lake Winnebago region," *Technical Bulletin Wisconsin Department Natural Resources*, 45:1–105, 1970.
 122. Radford, B.W., "Courts and Commissions: Fish or Foul?" *Fortnightly* 131(19):62–63, Oct. 15, 1993.
 123. Railsback, S.F., Coutant, C.C., and Sale, M.J., "Improving the Effectiveness of Fisheries Agencies in Developing Hydropower Mitigation," *Fisheries* 15(3):3–8, May–June 1990.
 124. RMC Environmental Services, "Summary of the Operations at the Conowingo Dam Fish Passage Facilities in Spring 1993," prepared for Susquehanna River Anadromous Fish Restoration Committee, Part of the 1993 Annual Progress Report, Restoration of American Shad to the Susquehanna River, 1994.
 125. Rogers, P. "What Do Fish Listen To?" *Journal Acoustic Society of America* 79:S22, 1986.
 126. Ruggles, C.P., "What's New in Downstream Fish Passage?" *Salmon in the Sea and New Enhancement Strategies*, D. Mills, (ed.) (Cambridge, MA: Blackwell Scientific Publications Ltd., Fishing News Books, 1993).
 127. Satou, M., et al., "Characterization of Vibrational and Visual Signals Which Elicit Spawning Behavior in the Male Himé Salmon (landlocked red salmon, *Oncorhynchus nerka*)," *Journal of Comparative Physiology A*(174):527–537, 1994.

128. Satou, M., et al., "Behavioral and Electrophysiological Evidences that the Lateral Line is Involved in the Inter-sexual Vibrational Communication of the Male Himé Salmon (landlocked red salmon, *Oncorhynchus nerka*)," *Journal of Comparative Physiology A* (174):539–549, 1994.
129. Saunders, J.C., B. Canlon, and A. Flock, "Mechanical Changes in Stereocilia Following Overstimulation: Observations and Possible Mechanisms," *Basic and Applied Aspects of Noise-Induced Hearing Loss*, R. J. Salvi, et al., (eds.) (New York, NY: Plenum, 1986).
130. Schwarz, A.L., "The Behaviour of Fishes in their Acoustic Environment," *Environmental Biology of Fishes* 13:3–15, 1985.
131. Shabalin, V.N., "The Sensitivity of Fishes to the High Frequency Hydroacoustic and Electromagnetic Fields," *ICES C.M.* (translation by author of Russian paper), 1991.
132. Skalski, J.R., and A. Hoffman, "Fixed-Location Hydroacoustic Monitoring Designs for Estimating Fish Passage Using Stratified Random and Systematic Sampling," *Canadian Journal of Fisheries and Aquatic Sciences* 50(6):1208–1221, 1993.
133. Smallowitz, H., "Making Amends with Nature," *Civil Engineering* May 1989, pp.56–59.
134. Stabell, O.B., "Homing and Olfactory Responses in Salmonids: A Critical Review with Special Reference to the Atlantic Salmon," *Biological Review* 59:333–388, 1994.
135. Swada, Y., "Reproducible Increases in Blood Pressure During Intermittent Noise Exposure: Underlying Hemodynamic Mechanisms Specific to Passive Coping," *European Journal Applied Physiological Occupational Physiology* 67:367–374, 1992.
136. Thomas, P., "Molecular and Biochemical Responses of Fish to Stressors and their Potential Use in Environmental Monitoring," *American Fisheries Society Symposium* 8:9–28, 1990.
137. Tysus, H.M., "Effects of Altered River Flows on Fishery Resources," *Fisheries* 15(3):18–20, 1990.
138. Tysus, H.M., and B.D. Winter, "Hydropower Development," *Fisheries* 17(1):30–32, 1989.
139. U.S. Army Corps of Engineers, North Pacific Division, "Columbia River and Tributaries Review Study, Report Number 49, Books 1 and 2," Portland, OR, July 1989.
140. U.S. Congress, General Accounting Office, "Endangered Species, Potential Economic Costs of Further Protection for Columbia River Salmon," Report to Congressional Requesters, GAO/RCED-93-41, February 1993.
141. U.S. Congress, General Accounting Office, "Hydroelectric Dams: Interior Favors Removing Elwha River Dams, but Who Should Pay is Undecided," Report to the Chairman, Subcommittee on Oversight and Investigations, Committee on Energy and Commerce, House of Representatives, GAO/RCED-92-168, June 1992.
142. U.S. Congress, General Accounting Office, "Endangered Species, Past Actions Taken to Assist Columbia River Salmon," Briefing Report to Congressional Requesters, GAO/RCED-92-173BR, July 1992.
143. U.S. Congress, General Accounting Office, "Hydroelectric Dams: Costs and Alternatives for Restoring Fisheries in the Elwha River," Report to the Chairman, Subcommittee on Oversight and Investigations, Committee on Energy and Commerce, House of Representatives, GAO/RCED-91-104, March 1991.
144. U.S. Congress, General Accounting Office, "Hydroelectric Dams, Issues Surrounding Columbia River Basin Juvenile Fish Bypasses," Report to the Chairman, Subcommittee on Oversight and Investigations, Committee on Energy and Commerce, House of Representatives, GAO/RCED-90-180, September 1990.
145. U.S. Congress, General Accounting Office, "Energy Regulation: Opportunities for

- Strengthening Hydropower Cumulative Impact Assessments,” Report to the Chairman, Committee on Energy and Commerce, House of Representatives, GAO/RCED-88-82, March 1988.
- 146.U.S. Congress, General Accounting Office, “Energy Regulation: Hydropower Impacts on Fish Should Be Adequately Considered,” Report to the Chairman, Subcommittee on Oversight and Investigations, Committee on Energy and Commerce House of Representatives, Restricted Use, May 1986.
 - 147.U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service (NMFS), “Proposed Recovery Plan for Snake River Salmon,” NMFS, Northwest Region, Seattle, WA, March 1995.
 - 148.U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service (NMFS), “Fisheries of the United States, 1993, Current Fishery Statistics No. 9300,” NMFS, Silver Spring, MD, May 1994.
 - 149.U.S. Department of Energy (DOE), “DOE Hydropower Program Biennial Report 1992–1993,” Idaho National Engineering Laboratory, EG&G Idaho, Inc., Idaho Falls, ID, July 1993.
 - 150.U.S. Department of Energy, “Analysis of Environmental Issues Related to Small Scale Hydroelectric Development, II: Design Considerations for Passing Fish Upstream Around Dams,” S.G. Hildebrand, M.C. Bell, J.J. Anderson, E.P. Richey, Z.E. Parkhurst, Environmental Sciences Division, Publication No. 1567, Oak Ridge National Laboratory, Oak Ridge, TN, August 1980.
 - 151.U.S. Department of Energy, Bonneville Power Administration, Integrated Hatchery Operations Team, “Policies and Procedures for Columbia Basin Anadromous Salmonid Hatcheries,” Draft, July 1994.
 - 152.U.S. Department of Energy, Bonneville Power Administration, “1994 Snake River Sockeye Salmon Sawtooth Valley Project Conservation and Rebuilding Program,” Final Environmental Assessment, DOE/EA-0934, April 1994.
 - 153.U.S. Department of Energy, Bonneville Power Administration, Division of Fish and Wildlife, “Recovery Planning for Endangered Salmon: A Multiple Attribute Analysis,” Prepared by C.M. Paulson, K. Wernstedt, and J. B. Hyman, (Washington, DC: Resources for the Future, December 1993).
 - 154.U.S. Department of Energy, Bonneville Power Administration, Division of Fish and Wildlife, “Use of Artificial Propagation and Supplementation for Rebuilding Salmon Stocks Listed Under the Endangered Species Act: Recovery Issues for Threatened and Endangered Snake River Salmon: Technical Report 5 of 11,” Project No. 93-013, Prepared by J. Lichatowich and B. Watson, under subcontract to S.P. Cramer & Associates, Inc., Gresham, OR, June 1993.
 - 155.U.S. Department of Energy, Bonneville Power Administration, Division of Fish and Wildlife, “Salmon Supplementation Studies in Idaho Rivers, Experimental Design,” Prepared by E. Bowles, E. Leitzinger, Project No. 89-098, Idaho Dept. of Fish and Game, December 1991.
 - 156.U.S. Department of Energy, Bonneville Power Administration, Division of Fish & Wildlife, “Analysis of Salmon and Steelhead Supplementation, Part 1: Emphasis on Unpublished Reports and Present Programs, Part 2: Synthesis of Published Literature, Part 3: Concepts for a Model to Evaluate Supplementation, Technical Report 1990,” Project No. 88-100, Prepared by W.H. Miller, Dworshak Fisheries Assistance Office, U.S. Fish and Wildlife Service, September 1990.
 - 157.U.S. House of Representatives, “BPA at a Crossroads,” Majority Staff Report, Committee on Natural Resources, BPA Task Force, Washington, DC, May 1994.
 - 158.van Bergeijk, W.A., “The Evolution of Vertebrate Hearing,” *Contributions to Sensory*

- Physiology*, W.D. Neff (ed.) (New York, NY: Academic Press, 1967).
159. Vanicek, C.D., and R.H. Kramer, "Life History of the Colorado Squawfish (*Ptychocheilus lucius*), and the Colorado Chub (*Gila robusta*) in the Green River in Dinosaur National Monument, 1964–1966," *Transactions of the American Fisheries Society* 98:193–208, 1969.
 160. Warren, M.L., Jr., and B.M. Burr, "Status of Freshwater Fishes of the United States: Overview of an Imperiled Fauna," *Fisheries* 19:6–18, 1994.
 161. Washington State Department of Fisheries, "Salmon 2000 Technical Report, Phase 2: Puget Sound Washington Coast and Integrated Planning," Seattle, WA, May 1992.
 162. Williams, J.E., et al., "Fishes of North America, Endangered, Threatened, or of Special Concern," *Fisheries* 14(6):2–20, 1989.
 163. Yan, H.Y., et al., "Sensory Hair Cells of the Fish Ear: Evidence of Multiple Types Based on Ototoxicity Sensitivity," *Proceedings Royal Society Series B*(245):133–138, 1991.