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Reference Material

(Note: - file numbers 1001 to 1034 do not have year published listed. Database will be updated with more specific information at a later date)

- 1001 Winton, C.N. Lannan, J.L. Fryer and T. Kimura. Isolation and Characterization of a New Reovirus from Chum Salmon.
- 1002 Kou, Guang-Hsiung, J.L. Fryer, and Marsha L. Landolt Proceedings of the Republic of China—United States Cooperative Science Seminar on Fish Diseases.
- 1003 Amandi, Tony Whirling Disease Management in North America. An Emergency Conference, Denver, Colorado, 1988. ODFW Memo
- 1004 Washington Department of Ecology in conjunction with Department of Fisheries, Agriculture and Natural Resources, Prepared by Science Applications International Corp. Recommended Interim Guidelines for the Management of Salmon Net-Pen Culture in Puget Sound.
- 1005 Klingeman, Peter C., F.G. Burgess, C.H. Stoltenberg, J. R. Davis, K. W. Muckleston, et al. Aquaculture: A Modern Fish Tale.
- 1006 Atkinson, Clinton, E. Salmon Aquaculture in Japan, The Koreas and the USSR.
- 1007 Wall Street Week by Sylvia Nogaki Fishing for Profits.
- 1008 Bergman, P.K, S.B. Mathews, and G.J. Paulik A Model of a Salmon Hatchery System
- 1009 Lindbergh, J.M. Potential Interaction Between Net Pen Farmed Atlantic Salmon and Native Salmonid Species in the Pacific Northwest.
- 1010 Bouck, Gerald R. Conceptual Plans for Qualitatively and Quantitatively Improving Artificial Propagation of Anadromous Salmonids in the Columbia River Basin.
- 1011 Schoning, Robert W. Memo: Salmon Advising Committee. Key words:

private sea ranching, hatcheries, goals

- 1012 Winton, J.R., C.N. Lannan, J.L. Fryer, and T. Kimura Isolation of a New Reovirus from Chum Salmon in Japan.
- 1013 Rohovec, J.S. and A. Amandi Incidence of Viral Erythrocytic Necrosis among Hatchery Reared Salmonids of Oregon.
- 1014 Hedrick, R.P. and J.L. Fryer Persistent Infection of three salmonid cell lines with infectious pancreatic necrosis virus (IPNV)
- 1015 Groberg, W.J., Jr., R.P. Hedrick and J.L. Fryer Viral diseases of salmonid fish in Oregon.
- 1016 Mulcahy, D.M., G.L. Tebbit, W.J. Grobert, J.S. McMichael, et al. The occurrence and distribution of salmonid viruses in Oregon.
- 1017 Fryer, J.L., J.S. Rohovec, E.F.. Pulford, R.E. Olson, et. al. Proceedings from a conference on disease inspection and certification of fish and fish eggs.
- 1018 Fryer, J.L, and James E. Sanders Bacterial kidney disease of salmonid fish.
- 1019 Hornstein, Don Salmon ranching in Oregon: State and federal regulations.
- 1020 Weston, Donald P. The environmental effects of floating mariculture in Puget Sound.
- 1021 Cumming, Edwin T. Private salmon hatcheries in Oregon 1986.
- 1022 Moberly, S.A. and R. Lium Japan salmon hatchery review.
- 1023 Mathews, Stephen B., and H.G. Senn Chum salmon hatchery rearing in Japan, in Washington.
- 1024 Fryer, J.L., B.B. McCain and J.C. Leong A cell line derived from rainbow trout (*salmo gairdneri*) hepatoma.
- 1025 Jeffries, Ernest R. Present: Role and challenge of fish culture in Northwest.
- 1026 Ewing, R.D., M.D. Evenson, E.K. Birks, and A.R. Hemmingsen Indices of Parr-smolt transformation in juvenile steelhead trout (*salmon gairdneri*)

- undergoing volitional release at Cole Rivers hatchery, Oregon.
- 1027 Birks, E.K., R.D. Ewing, and A.R. Hemmingsen Migration tendency in juvenile steelhead trout, *Salmo gairdneri* Richardson, injected with thyroxine and thiourea.
 - 1028 Barton, B.A., C.B. Schreck, R.D. Ewing, A.R. Hemmingsen, and R. Patino Changes in plasma cortisol during stress and smoltification in coho salmon, *Oncorhynchus kisutch*.
 - 1029 Northwest Fish Culture Conference Proceedings, Portland, Oregon Proceedings December 3-4, 1970.
 - 1030 Northwest Fish Culture Conference Proceedings 24th Annual, Wemme, Oregon Dec. 5-7, 1973.
 - 1031 Northwest Fish Culture Conferences Index to Proceedings of, 1950-1966.
 - 1032 National Task Force for Public Fish Hatchery Policy Denver, Colorado, 1974.
 - 1033 Northwest Power Planning Council Umatilla hatchery master plan. July 13, 1989
 - 1034 Leitritz, Earl A history of California's fish hatcheries.
 - 1035 Novotny, Anthony J. and Waldo S. Zaugg Study of disease and physiology in the 1978 homing study hatchery stocks. A supplement to: "Imprinting salmon and steelhead trout for homing." by Slatick, Novotny, and Gilbreath, Jan. 1979.
 - 1036 Novotny, Anthony J. and Waldo S. Zaugg Study of disease and physiology in the 1979 homing study hatchery stocks. A supplement to: "Imprinting salmon and steelhead trout for homing, 1979." by Slatick, Novotny, and Gilbreath, Jan. 1979.
 - 1037 Oregon Dept. of Fish and Wildlife. Fish propagation annual report 1985.
 - 1038 Prentice, E.F., C.V.W. Mahnken, W.S. Zaugg, et al. Assessment of smoltification and fitness for Ocean survival (quality) of chinook and coho salmon and steelhead in the Columbia River and Puget Sound hatcheries. Part I project report for FY80-81. Part II project summary and recommendations 1978-81.
 - 1039 Bjornn, T.C., R.R. Ringe, and P. Hiebert Seaward migration of Dworshak

- hatchery steelhead trout in 1976.
- 1040 Wallis, Joe Recommended time, size, and age for release of hatchery reared salmon and steelhead trout.
- 1041 Enhancement Planning Team, by Faculty Design Work Group
Recommendations for proposal and evaluation of salmonid production facilities for Implementation of the Salmon and Steelhead Conservation and Enhancement Act of 1980.
- 1042 Bayer, Range D. Seabirds near an Oregon estuarine salmon hatchery in 1982 and during the 1983 El Nino
- 1043 Goodman, Michael L. Preserving the genetic diversity of salmonid stocks: A call for federal regulation of hatchery programs. Environmental Law
- 1044 Reisenbichler, R.R. and J.D. McIntyre Genetic differences in growth and survival of juvenile hatchery and wild steelhead trout, *Salmo gairdneri*. J. Fish. Res. Board. Can. 34: 123-128. 1977.
- 1045 Simon, Raymond C. Seven Avenues for redress of fish hatchery problems involving restricted genetic variability.
- 1046 Goodman, Michael L. Preserving the genetic diversity of salmonid stocks: A call for federal regulation of hatchery programs.
- 1047 Piggins, D.J., and CPR. Mills Comparative aspects of biology of naturally produced and hatchery-reared atlantic salmon smolts (*salmo salar* L.)
Keyword: Ireland
- 1048 Menke, Kathleen In danger of diluting the salmon gene pool.
- 1049 Pacific Fishing The Conooks are coming. Keywords: wild, Kalamath, hatchery
- 1050 Ewing, R.D., C.E. Hart, C.A. Fustish, and G. Concannon Effects of size and time of release on seaward migration of spring chinook salmon, *Oncorhynchus tshawytscha*. Fisheries Bulletin 82:1 157-164.
- 1051 Reisenbichler, R. R. 1988. Relation between distance transferred from natal stream and recovery rate for hatchery coho salmon. North American Journal of Fisheries Management 8: 172-174.
- 1052 Pacific Tidings . 1990. Harvesting hatchery success. Rebuilding coho. Marking salmon. Salmon run bigger than ever. Keywords: Canada,

British Columbia

- 1053 U.S. Fish and Wildlife Service Artificially propagated fish for national fishery programs. An analysis of source, cost, purpose, and use.
- 1054 Reisenbichler, R.R. Outplanting: Potential for harmful genetic change in naturally spawning salmonids.
- 1055 Wilkins, N.P. Salmon stocks: A genetic perspective.
- 1056 Aquaculture Magazine Fishery researchers crating “designer salmon.”
- 1057 Francis, Robert C. Fisheries science and modeling: A look to the future. Keywords: Paul Ehrlich
- 1058 Chilcote, M. W., S.A. Leider, and J.J. Loch. 1986. Differential reproductive success of hatchery and wild summer-run steelhead under natural conditions. Trans. of Am. Fish. soc. 115: 726-735.
- 1059 Oregon Trout A review of the scientific literature on hatchery supplementation of wild anadromous fish stocks.
- 1060 Johnson, Ray C. Potential interspecific problems between hatchery coho smolts and juvenile pink and chum salmon.
- 1061 Ames, J. 1981. Competition and predation among Puget Sound salmon stocks and some implications for enhancement programs. Unpublished manuscript, Washington Department of Fisheries, Olympia, WA, 51 p.
- 1062 Smith, E.M., B.A. Miller, J.D. Rodger, and M.A. Buckman Outplanting anadromous salmonids: A literature study.
- 1063 New Scientist The threat of the well-bred salmon. Keywords: Norway, fish farm, wild
- 1064 New Scientist Parasites prey on wild salmon in Norway Keywords: disease,
- 1065 Aquaculture Magazine, Rod Getcher Environmental effects of salmon farming. Keywords: Norway
- 1066 New Scientist, Debora McKenzie How to build a better fish. Keywords: Norway
- 1067 Gunnerod, T.B., N.A. Hvidsten, and T.G. Heggberget Open sea releases of

- Atlantic salmon smolts, *Salmo salar*, in central Norway, 1973-83.
- 1068 Aquaculture Magazine Alabama has genetically engineered fish.
- 1069 McNeil, William J. Salmon production, management, and allocation: Biological, Economic, and Policy Issues.
- 1070 Sinsheimer, Robert L., Calif. Inst. of Technology The Book of Life. Addison-Wesley, 1967.
- 1071 Hemmingsen, A.R., R.A. Holt, R.D. Ewing and J.D. McIntyre. Susceptibility of progeny from crosses among three stocks of coho salmon to infection by *Ceratomyxa shasta*. Transaction of the American Fisheries Society, 115:492-495, 1986.
- 1072 Bayr, Range D. Seabirds near an Oregon estuarine salmon hatchery in 1982 and during the 1983 El Nino. Fishery Bulletin, 84:2 279-286.
- 1073 Buth, Donald G., Robert W. Murphy, and Linda Ulmer. Population differentiation and introgressive hybridization of the flannelmouth sucker and of hatchery and native stocks of the razorback sucker. Trans. of the Ameri. Fish. Soc., 116:103-110, 1987.
- 1074 Tave, Douglas Pleiotrophy. Aquaculture Magazine, Nov/Dec. 60-62 1989. Key words: genetics, breeding
- 1075 Craig, P.C. Identification of sockeye salmon (*Oncorhynchus nerka*) stocks in the Stikine River based on egg size measurements. Can. J. Fish. Aquat. Sci., 42:1696-1701, 1985.
- 1076 Wood, Chris, C., Dennis T. Rutherford, and Skip McKinnell Identification of sockeye salmon (*Oncorhynchus nerka*) stocks in mixed-stock fisheries in British Columbia and Southeast Alaska using biological markers. Can. J. Fish. Aquat. Sci., 46:2108-2120, 1989.
- 1077 Yamada, S. Behrens, T.J. Mulligan, and D. Fournier. Role of environment and stock on the elemental composition of sockeye salmon (*Oncorhynchus nerka*) vertebrae. Can. J. Fish. Aquat. Sci., 44:1206-1212, 1987.
- 1078 Okazaki, Toshio. Genetic structure of chum salmon (*Oncorhynchus keta*) river populations. Bulletin of the Japanese Society of Scientific Fisheries. 49(2):189-196, 1983.
- 1079 Reisenbichler, R.R. and S.R. Phelps. Genetic variation in steelhead

- (*Salmo gairdneri*) from the North Coast of Washington. *Can. J. Fish. Aquat. Sci.*, 46(1): 66-73, 1989.
- 1080 Fausch, Kurt D. Tests of competition between native and introduced salmonids in streams: What have we learned? *Can. J. Fish. Aquat. Sci.*, 45:2238-2246m 1988.
- 1081 Yarbrough, Jarrell C. Using political theory in fishery management. *Trans. of the Ameri. Fish. Soc.*, 116:532-536, 1987.
- 1082 Lichatowich, J.A. and Bob Mullen Memo and graphs to Nickelson, Solazzi, and Johnson regarding coho catch data. 1982.
- 1083 Waterlines, Newsletter of the Western Regional Aquaculture Consortium. Broodstock improvement study passes one-year mark. Winter 1989.
- 1084 Verspoor, Eric Reduced genetic variability in first-generation hatchery populations of Atlantic salmon (*Salmo salar*). *Can. J. Fish. Aquat. Sci.*, 45:1686-1690, 1988
- 1085 Blouw, D.M., S.D. Saxon and E.M.P. Chadwick. Temporal variation of meristic traits within an Atlantic salmon (*Salmo salar*) stock, and implications of stock identification. *Can. J. Fish. Aquat. Sci.*, 45:1330-1339, 1988.
- 1086 Vuorinen, Jukka. Genetic divergence of anadromous and nonanadromous Atlantic salmon (*Salmo salar*) in the River Namsen, Norway. *Can. J. Fish. Aquat. Sci.*, 46:406-409, 1989.
- 1087 Scarnecchia, Dennis L. Age at sexual maturity in Icelandic stocks of Atlantic samon (*Salmo salar*). *Can. J. Fish. Aquat. Sci.*, 40:1456-1468, 1983.
- 1088 Schaffer, W.M. and Paul F. Elson. The adaptive significance of variations in life history among local populations of Atlantic Salmon in North America. *Ecology*, 56:577-590, 1975.
- 1089 Fleming, Ian A., and M.R. Gross. Latitudinal clines: A trade-off between egg number and size in Pacific salmon. *Ecology* 71(1):1-11, 1990.
- 1090 Bams, R.A. Survival and propensity for homing as affected by presence or absence of locally adapted paternal genes in two transplanted populations of pink salmon (*Oncorhynchus gorbuscha*). *J. of the Fish. Res. Board of Can.*, 33(12):2716-2725, 1976.

- 1091 Gould, S.J. and R.C. Lewontin. The spandrels of San Marco and the Panglossian paradigm: A critique of the adaptationist programme. *Proc. R. Soc., Lond. B.*, 205:581-598, 1979.
- 1092 Wood, Chris C. Utility of similarity dendrograms in stock composition analysis. *Can. J. Fish. Aquat. Sci.*, 46:2121-2128, 1989.
- 1093 Saunders, Richard L. The stock concept - A major consideration in salmon restoration. North American Salmon Research Center, NASRC Report No. 3, 1979.
- 1094 Hutchings, J.A. and D.W. Morris. The influence of phylogeny, size, and behaviour on patterns of covariation in salmonid life histories. *Oikos*, 45: 118-124, Copenhagen 1985.
- 1095 Peterson, Nancy M. Biological characteristics of wild and hatchery steelhead trout, *Salmo gairdneri* in two Oregon rivers. Oregon State Univ., Master of Science, June 1978.
- 1096 Wade, Mark. The relative effects of *Ceratomyxa shasta* on crosses of resistant and susceptible stocks of summer steelhead. Oregon State Univ., Master of Science, 1986.
- 1097 Heath, Daniel and D.A. Roff. Test of genetic differentiation in growth of stunted and nonstunted populations of yellow perch and pumpkinseed. *Trans. of the Amer. Fish. Soc.*, 116:98-102, 1987.
- 1098 Glebe, B.D. and W.C. Leggett. Latitudinal differences in energy allocation and use during the freshwater migrations of American shad (*Alosa sapidissima*) and their life history consequences. *Can. J. Fish. Aquat. Sci.*, 38(7):806-820, 1981.
- 1099 Glebe, B.D. and W.C. Leggett. Temporal, intra-population differences in energy allocation and use by American shad (*Alosa sapidissima*) during the spawning migration. *Can. J. Fish. Aquat. Sci.*, 38(7):795-805, 1981.
- 1100 Booke, Henry E. The conundrum of stock concept - Are nature and nurture definable in fishery science? *Can. J. Fish. Aquat. Sci.*, 38:1479-1480, 1981.
- 1101 Helle, John H. Significance of stock concept in artificial propagation of salmonids in Alaska. *Can. J. Fish. Aquat. Sci.*, 38:1665-1671, 1981.
- 1102 Utter, Fred M. Biological criteria for definition of species and distinct intraspecific populations of anadromous salmonids under the U.S.

- Endangered Species Act of 1973. *Can. J. Fish. Aquat. Sci.*, 38:1626-1635, 1981.
- 1103 Fraser, J.M. Comparative survival and growth of planted wild, hybrid, and domestic strains of brook trout (*Salvelinus fontinalis*) in Ontario Lakes. *Can. J. Fish. Aquat. Sci.*, 38:1672-1684, 1981.
- 1104 Lewontin, R.C. Evolution and the theory of games. *J. Theoret. Biol.*, 1:382-403, 1961.
- 1105 Kapuscinski, Anne R.D., and J.E. Lannan Application of a conceptual fitness model for managing Pacific Salmon fisheries. *Aquaculture*, 43:135-146, 1984.
- 1106 Philipp, D.P., C.c. Krueger, G.H. Thorgaard, R.J. Wattendorf, and J.E. Claussen. Fisheries genetics: Where should we be going? *Fisheries*, 11(3):14-17, 1986.
- 1107 Genetic Policy Review Team. Alaska Department of Fish and Game Genetic Policy. Alask. Dept. of Fish & Game, Division of Fish. Rehab., Enhancement and Development. pp. 25, 1985.
- 1108 FAO Conservation of the genetic resources of fish: Problems and recommendations. Report of the Expert Consultation on the Genetic Resources of Fish Rome, 9-13 June 1980.
- 1109 Kapuscinski, Anne R.D. Genetics Concerns in Salmon and Steelhead Conservation and Enhancement. Summary of the genetics workshop convened by the Genetics Work Group of the Enhancement Planning Team on January 25 and 26, 1984 in Seattle, WA. Hatfield Marine Science Center, Newport, OR.
- 1110 Kapuscinski, A.R.D. and J.E. Lannan A conceptual genetic fitness model for fisheries management. *Can. J. Fish. Aquat. Sci.*, 43(8):1606-1616, 1986.
- 1111 California Gene Resources Program Anadromous salmonid genetic resources: An assessment and plan for California. pp. 167, 1982.
- 1112 Small, Susan A. and D.J. Randall. Effects of triploidy on the swimming performance of coho salmon (*Oncorhynchus kisutch*). *Can. J. Fish. Aquat. Sci.*, 46:243-245, 1989.
- 1113 Smith, Michael H., H.O. Hillestad, M.N. Manlove, and R.L. Marchinton. Use of population genetics data for the management of fish and wildlife

- populations. 41st North American Wildlife Conference.
- 1114 Riggs, Lawrence A. A scenario for genetic resource management of salmon and sea-run trout. Presentation at Olympic National Park/Peninsula College Conference, Port Angeles, WA, 45-51, 1986.
- 1115 Sax, Joseph L. Some thoughts on the decline of private property. Wash. Law Review Jurisprudential Lecture Series. 58:481-496, 1983.
- 1116 Demsetz, Harold Toward a theory of property rights. American Economic Association, 57:347-359, May 1967.
- 1117 Tobolski, Jeffrey J. Salmon aquaculture investment guide for public and private investors in economic development. National Coastal Resources Research and Development Institute, pp 100, 1987.
- 1118 Higgs, Robert Legally induced technical regress in the Washington salmon fishery. Research in Economic History, 7:55-86, 1982.
- 1119 Severson, Richard F. Impact of private salmon aquaculture of the Oregon economy. Oregon Aqua-Foods, Inc., pp 12, February 1988.
- 1120 Anderson, James L. Private Aquaculture and commercial fisheries: Bioeconomics of salmon ranching. J. of Environmental Economics and Management, 12: 353-370, 1985.
- 1121 Smith, Max Mean costs of producing anadromous fish smolts 1985-1986, ODFW Stations. (Memo with table November 27, 1987.)
- 1122 Cameron, Scott and Lee Emery Artificially propagated fish for national fishery programs: An analysis of source, cost, purpose, and use. Draft copy. Fish and Wildlife Service, Washington, DC pp 54, 1985.
- 1123 Oregon Trout, Inc. Survey of physical condition of Oregon fish hatcheries. 1897.
- 1124 Loftus, K.H. Salmonid enhancement and rehabilitation: The Great Lakes experience. An Ontario prespective. Keynote ??? meeting, pp 1-7.
- 1125 McNeil, William J. World Salmon Ranching: Status and Outlook. Reprint from a proceedings.
- 1126 Netboy, Anthony The need for new social and economic attitudes to save the anadromous fisheries: The Columbia River a case history. Keynote at the same conference as the two papers above.

- 1127 Cummings, Ed Development of state regulations and private salmon hatcheries in Oregon. Presented at the same conference listed above - no information on title.
- 1128 Loftus, K. H. Science for Canada's fisheries rehabilitation needs. J. Fish. Res. Board Can.33:1822-1857, 1976.
- 1129 Zirges, Mac Anadromous fish management flow chart. With cover memo Feb. 29, 1988.
- 1130 Urich, David L., J.P. Graham, and P.E. Kelly Statewide planning using the wildlife and fish habitat relationships system. Wildl. Soc. Bul 14:22-30, 1986.
- 1131 Cartwright, T.J. Problems, solutions and strategies: A contribution to the theory and practice of planning. AIP Journal, May 1973, 179-187.
- 1132 Sherwin, Chalmers and Raymond S. Isenson. Project hindsight: A Defense Department study of the utility of research. Science 156:1571-1577, 1967.
- 1133 Lee, Douglass B., Jr. Requiem for large-scale models. AIP Journal, May 1973, 163-178.
- 1134 Stein, Robert H. Planning for Oregon Fish and Wildlife. Presentation to WAFWA 1973. 559-565.
- 1135 Bailey, James A. Implications of "muddling through" for wildlife management. Wildl. Soc. Bull. 10:4 363-369, 1982.
- 1136 Sale, Kirkpatrick The trouble with Earth Day. The Nation April 30, 1990, 594-598.
- 1137 Lindblom, Charles E. The science of "muddling through." Reprint from Public Administration Review Spring 1959, 14:79-88.
- 1138 Anonymous Status report on genetics management program. (Draft) August 20, 1990.
- 1139 Lichatowich, James A. An example of planning, analysis and reporting techniques used by the Rogue River evaluation program: A guide to preparing a project proposal. Ore. Dept. of Fish and Wildlife-for internal use only. April 1977.

- 1140 Netzorg, Leonard B. Bio-politics: Government by wildlife biology. Presented at the Annual meeting of the Oregon Chapter, The Wildlife Society, at Newport, Oregon, 2/28/1985.
- 1141 Netzorg, Leonard B. Letter to Caryn Talbot Throop, March 29, 1985, (Non-game Wildlife Management Plan).
- 1142 Newsweek The green house effect. Danger: More hot summers ahead. 16-24, July 11, 1988.
- 1144 Seattle Post-Intelligencer A cold look at earth's future. August 29, 1989
- 1145 Udall, James R. Turning down the heat. Sierra, 74:4 26-40.
- 1146 National Forum Preserving the global commons. (Issue devoted to environment) Winter 1990.
- 1147 Oregon Dept. of Energy Oregon Task Force on Global Warming. Part I. Possible impacts on Oregon from global warming. Part II. State agency recommendations and proposed actions.
- 1148 Meisner, J.D., J.L. Goodier, H.A. Regier, B.J. Shuter and W.J. Christie. An assessment of the effects on climate warming on Great Lakes Basin fishes. J. Great Lakes Res., 13:3 340-352. 1987.
- 1149 Skud, B.E. Dominance in fishes: The relation between environment and abundance. Science, Vol. 216 144-149, April 9, 1982.
- 1150 Donaldson, Lauren R. and Timothy Joyner The salmonid fishes as a natural livestock. No information on publication and year. 51-58.
- 1151 Guthrie, Dan Salmon ranches don't resemble cattle hatcheries. Streamlines, Vol. 1:3, Spring/summer 1989.
- 1152 Moyle, P.B., Hiram W. Li and Bruce Barton The Frankenstein effect: Impact of introduced fishes on native fishes in North America. Draft manuscript Oregon State Univ., Dept. of Fish and Wildlife and U.S. Fish and Wildlife Service. (published as Moyle, P. B., H. W. Li, and B. A. Barton. 1986. The Frankenstein Effect: Impact of Introduced Fishes on Native Fishes in North America. Fish Culture in Fisheries Management. Edited by R. H. Stroud, 415-426, American Fisheries Society, Bethesda, MD.)
- 1153 Kohler, Christopher and Walter Courtenay, Jr. American Fisheries Society Position on Introductions of Aquatic Species. Fisheries, 11:2 39-42, Mar-

Apr 1986.

- 1154 Kohler, Christopher and Walter Courtenay, Jr. Regulating Introduced aquatic species: A review of past initiatives. *Fisheries*, 11:2, 34-38, Mar-Apr 1986.
- 1155 Loch, J.S., A.J. Derkson, M.E. Hora and R.B. Oetting. Potential effects of exotic fishes on Manitoba: An impact assessment of the Garrison Diversion Unit. *Fisheries & Marine Service Technical Report No. 838*, Feb. 1979.
- 1156 Outdoor Highlights Lake Michigan and its alewives: A problem brewing. 12:13 July 2, 1984.
- 1157 Smith, Stanford Species succession and fishery exploitation in the Great Lakes. *J. Fish. Res. Bd. of Can.* 25:4 667-693, 1968.
- 1158 Everest, Fred H., R. Beschta, J.C. Scrivener, K.V. Koski, J.R. Sedell and C.J. Cederholm Fine sediment and salmonid production: A paradox. Chapter 4 Everest, et.al., p. 98-142 (missing other information).
- 1159 Franklin, J.F., K. Cromack Jr., W. Denison, A. McKee, C. Maser, J. Sedell, F. Swanson, and G. Juday. Ecological characteristics of old-growth Douglas-Fir forests. General Technical Report PNW-118, U.S.D.A., Forest Service. Feb. 1981.
- 1160 Sedell, J.R. and F.J. Swanson Old-growth forests—fisheries ecology. Ed. W.R. Mehan, T. Merrell and T. Hanley. *Symposium Fish & Wildlife Relationship in Old-Growth Forests*. April 1982, Juneau, Alaska. AIFRB, Dec. 1984.
- 1161 Fowler, W.B., J.D. Helvey, and E.N. Felix Hydrologic and climatic changes in three small watersheds after timber harvest. U.S.D.A. Forest Service, Research Paper PNW-RP-379, pp 13.
- 1162 Ice, George G., D. McGreer, K. Sullivan and J. Stednick An industry proposal to address cumulative watershed effects. Draft, pp 21, April 1990.
- 1163 Cederholm, C.J., L.M. Reid, B.G. Edie, and E.O. Salo Effects of forest road erosion on salmonid spawning gravel composition and populations of the Clearwater River, Washington. *Habitat Disturbance and Recovery, Proceedings of a Symposium conducted January 1981*, published by California Trout, Inc. p 1-17.

- 1164 Peterman, Randall M. The importance of reporting statistical power: The forest decline and acidic deposition example. *Ecology*, 71:5 2024-2027, 1990.
- 1165 Lisle, Thomas E. Sediment transport and resulting deposition in spawning gravels, North Coastal California. *Water Resources Research*, 25:6 1303-1319, 1989.
- 1166 Hassan, Marwan A. Scour, fill, and burial depth of coarse material in gravel bed streams. *Earth surface Processes and Landforms*, 15:341-356, 1990.
- 1167 Andrews, E.D. Bank stability and channel width adjustment, East Fork River, Wyoming. *Water Resources Research*, 18:4 1184-1192, 1982.
- 1168 Anonymous Methods for taking streambed elevations.
- 1169 Chapman, D.W. Critical review of variables used to define effects of fines in redds of large salmonids. *Trans. Am. Fish. Soc.*, 117:1 1-21, 1988.
- 1170 Hatten, Jim Draft report from Jim to Ken Schlichte on siltation on the Hoh River. Oct. 15, 1990.
- 1171 Anonymous Effects of land management on soil mass movement. Chapter 5 in ...
- 1172 Benda, L.E. and T.W. Cundy Predicting deposition of debris flows in mountain channels. In press *Can. Geotechnical Journal*, at U. of Wash. 206-543-2762.
- 1173 Costa, John E. and Robert L. Schuster The formation and failure of natural dams. *Geo. Soc. of Am. Bull.*, 100:1054-1068, July 1988.
- 1174 Kellerhals, Rolf and Michael Church Hazard management of fans, and examples from British Columbia. Chapter 17 *Alluvial Fans: A Field Approach*, ed. A.H. Rachocki and M. Church, John Wiley & Sons, Ltd., 1990, p. 335- pages and not copied correctly.
- 1175 Anonymous Debris flows in Oregon. unknow publication.
- 1176 Benda, Lee Slope instability: Predicting downstream impacts on stream channels and fisheries. *A Field Guide. Field Course*, Fall 1990, Center for Streamside Studies, U. of Washington, pp 1-34.
- 1177 Salazar, D.J., C.H. Schallau, and R.G. Lee The growing importance of

- retirement income in timber-dependent areas. U.S.D.A. Forest Service, PNW-359, May 1986.
- 1178 Osborn, Jeffrey G. The effects of logging on cutthroat trout (*Salmo clarki*) in small headwater streams. U. of Wash. College of Fisheries, Fisheries Research Institute, FRI-UW-8113, June 1981.
- 1179 Canada Dept. of Mines and Resources Canada's forests and the war. Report prepared for the 5th British Empire Forestry Conference to be held in the United Kingdom, 1947.
- 1180 Koski, K.V. The survival and fitness of two stocks of chum salmon (*Oncorhynchus keta*) from egg deposition to emergence in a controlled-stream environment at Big Beef Creek. Ph.D. dissertation June 1975, U. of Wash, pp 105, 107, 108.
- 1181 Platts, W.S., W.F. Megahan, and G.W. Minshall. Methods for evaluating stream, riparian, and biotic conditions. U.S.D.A. Forest Service Gen. Tech. Report INT-138, May 1983, pp 70.
- 1182 Beuter, J.H., K.N. Johnson, and H.L. Scheurman. Timber for Oregon's tomorrow. Research Bulletin 19, Forest Research Lab, Oregon State University, 1976.
- 1183 Archer, Stephen H, B. Dowdle, R.H. Scott, and T.R. Waggener The role of forest lands in the Washington economy. Prepared for the Wash. Forest Protection Association, Seattle, WA Dec. 1970.
- 1184 Sub-Committee on Multiple Use, National Committee on Forest Land Towards Integrated Resource Management. Prepared for the meeting of the National Committee on Forest Land, held in Quebec, P.Q., May 26-30, 1969. pp 47.
- 1185 Archer, Stephen H, B. Dowdle, R.H. Scott, and T.R. Waggener The role of forestlands in the Washington Economy. Wash. Forest Protection Association, Seattle, WA.
- 1186 Western Forestry and Conservation Association Proceedings of the 49th Western Forestry Conference, Dec 10-12, 1958, San Francisco, CA.
- 1187 Washington Dept. of Ecology An assessment of the adequacy of Washington's forest practices regulations in protecting water quality. Report No. DOE 80-7, July 1980 pp. 75.
- 1188 State of Washington, Dept. of Revenue Forest Tax Report 1975.

- 1189 House, Robert, V. Crispin, and R. Monthey Evaluation of stream rehabilitation projects—Salem district (1981-1988). Technical Note T/N OR-6 Nov. 1989. pp 50.
- 1190 Pacific Fishery Management Council, Anadromous Salmonid Environmental Task Force. Freshwater habitat, salmon produced, and escapement for natural spawning along the Pacific Coast of the United States. June 1979, pp 67.
- 1191 Wyoming Wildlife Special Fish Habitat Issue. November 1978.
- 1192 Richards, Norman A. Forestry in and urbanizing society. J. of Forestry, Aug 1974. 458-461.
- 1193 Cederholm, Carl J. The short-term physical and biological effects of stream channelization at Big Beef Creek, Kitsap County, WA. Masters Thesis, U. of Washington 1972.
- 1194 Sedell, James R. Study of westside fisheries in Olympic National Park, Washington. USDI, Nat. Park Service, CX-9000-0-E 081.
- 1195 White, Henry Gilbert Forest ownership research in historical perspective. J. of Forestry, April 1950. 261-264.
- 1196 Platts, William S. and Rodger L. Nelson Fluctuations in trout populations and their implications for land-use evaluation. N. Am. J. of Fish. Management, 8:333-345, 1988.
- 1197 Pacific Fisheries Management Council Council Fishery Habitat Resolution, July 10, 91.
- 1198 Light, Jeff Ambient Monitoring Technical Steering Committee, Timber/Fish/Wildlife, memos and related appendices. Aug 9, 1991
- 1199 Harvey, Geoffry W. Technical review of sediment criteria. Idaho Division of Environmental Quality, 1989. pp 29.
- 1200 Potyondy, John P. Boise National Forest cobble embeddedness baseline inventory: Results and relationship to management activities. Boise National Forest April 1988, pp 37.
- 1201 McLerran, Dennis J. Cumulative effects and SEPA analysis. Chapter 1-B. May 1990.

- 1202 Doughty, Kenty, J.E. Caldwell and K.S. Sullivan T/F/W stream temperature methods: Users manual. TFW-WQ4-91-002, June 1991, pp 40.
- 1203 Rowland, Richard G. Relation of scale characteristics to river of origin in four stocks of chinook salmon (*Oncorhynchus tshawytscha*) in Alaska. U.S.D.I., U.S. Fish and Wildlife Service, Special Scientific Report - Fisheries No. 577. 1969, pp 5.
- 1204 Healey, Terrance P. The effect of high temperature on the survival of Sacramento River chinook (king) salmon, *Oncorhynchus tshawytscha*, eggs and fry. California Fish and Game, Anadromous Fisheries Branch, Adm. Rept. No. 79-10.
- 1205 Briggs, John C. The behavior and reproduction of salmonid fishes in a small coastal stream. California Fish and Game, Fish Bulletin No. 94, 1953, pp 62.
- 1206 Reimers, Paul E. Success in a hatchery program with fall chinook salmon by simulating the natural life history of the stock. Oregon Fish and Wildlife, Coastal Salmon Ecology Project, pp 13.
- 1207 Bjornn, T.C. Trout and salmon movements in two Idaho streams as related to temperature, food, stream flow, cover, and population density. Trans. of Am. Fish. Soc., 100:3 423-438, July 1971.
- 1208 Krcma, Richard, and R.F. Raleigh Migration of juvenile salmon and trout into Brownlee Reservoir, 1962-65. Fishery Bulletin, 68:2 203-217, April 1970.
- 1209 Meehan, W.R. and D.B. Siniff A study of the downstream migrations of anadromous fishes in the Taku River, Alaska. Alaska Dept. of Fish and Game, p 399-411.
- 1210 Young, Franklin R. and W. L. Robinson Age, size, and sex of Columbia River chinook, 1960-69. Fish Commission of Oregon Data Report Series, Report No. 4, 1974, pp 31.
- 1211 French, R.R. and R.J. Wahle Biology of chinook and blueback salmon and steelhead in the Wenatchee River system. U.S. Fish and Wildlife Service, Special Scie. Report - Fisheries No. 304, June 1959, pp 17.
- 1212 Kissner, Paul A study of chinook salmon in southeast Alaska. Alaska Dept. of Fish and Game, Sport Fish Division, AFS 41-8, pp 35.

- 1213 Bennett, Donald E. 1982 Willamette River Spring Chinook salmon run. Oregon Dept. of Fish and Wildlife, Dec. 1983.
- 1214 Edmundson, E., F.E. Everest, and D.W. Chapman Permanence of station in juvenile chinook salmon and steelhead trout. J. Fish. Res. Board of Canada, 25:7 1453-1464, 1968,
- 1215 Raymond, Howard L. Effect of John Day Reservoir on the migration rate of juvenile chinook salmon in the Columbia River. Trans. of Am. Fish. Soc. 1969 No. 3 pp 513-514.
- 1216 Erkkila, Leo F., J.W. Moffett, O.B. Cope, B.R. Smith, and R.S. Nielson. Sacramento - San Joaquin Delta fishery resources: Effects of Tracy Pumping Plant and Delta Cross Channel. U.S. Fish and Wildlife Service, Special Scientific Report - Fisheries No. 56. 1950, pp 63.
- 1217 Rabin, D.J. and r.A. Barnhart Population characteristics of Pacific herring, *Clupea Harengus Pallasi*, in Humboldt Bay, California. Calif. Fish and Game 72:1, 4-16, 1966, pp 64.
- 1218 Johnsen, R.C. and C.W. Sims Purse seining for juvenile salmon and trout in the Columbia River estuary. Trans. of Am. Fish. Soc. 102:2 341-345, 1973.
- 1219 Burck, W.A. Growth of juvenile spring chinook salmon in Lookingglass Creek. 1971, 37-43, unknown where published.
- 1220 Needham, P.R., H.A. Hanson, and L.P. Parker Supplementary report on investigations of fish-salvage problems in relation to Shasta Dam. U.S.D.I., Fish and Wildlife Service, Special Scientific Report No. 26, 1943, pp 50.
- 1221 Azevedo, R.L. and Z.E. Parkhurst The upper Sacramento River salmon and steelhead maintenance program, 1949-1956. pp 96. (manuscript)
- 1222 Goodyear, C.P. and J. Boreman Long-term impacts of the Hanford Generating Station on the summer chinook salmon population in the Columbia River. National Power Plant Team, U.S. Fish and Wildlife Service, April 1980, pp. 35.
- 1223 Quinault Department of Natural Resources Assessment of stock and recruitment relationships for North Coastal chinook stocks. April 1982, pp 38.
- 1224 Van Hyning, J.M. Stock-recruitment relationships for Columbia River

- Chinook Salmon. Unknown publication, pp 89-96.
- 1225 McGie, A. Stock-recruitment analysis of spring chinook salmon in the North Fork Umpqua River, Oregon Dept. Fish and Wildlife Memo, Dec. 27, 1982 pp 15.
- 1226 Slater, D.W. Winter-run chinook salmon in the Sacramento River, California with notes on water temperature requirements at spawning. USDI, Fish and Wildlife Service, Special Scientific Report - Fisheries 461, 1963, pp 9.
- 1227 Rich, Willis H. The salmon runs of the Columbia River in 1938. USDI, Fish and Wildlife Service, Fisheries Bulletin No. 50, 1942, pp 147.
- 1228 Hydrozoology Food habits of juvenile king salmon in the Sacramento - San Joaquin Delta, 1975-1976. Report to U.S. Fish and Wildlife Service, Aug. 1976, pp 22.
- 1229
- 1230 Moffett, J.W. and B.R. Smith Biological investigations of the fishery resources of Trinity River, California, USDI, Fish and Wildlife Service, Special Scientific Report - Fisheries No. 12, 1950, pp71.
- 1231 Rankel, Gary L. Depleted chinook salmon runs in the Klamath River Basin: causes, consequences and constraints on management. USDI, Fish and Wildlife Service, Arcata, Calif. July 1990, pp 35.
- 1232 Wright, S., R. Kolb, and R. Brix. Size and age characteristics of chinook salmon taken by Washington's Commercial Troll and ocean sport fisheries, 1963-1969.
- 1233 Koo, Ted S.Y. Objective studies of scales of Columbia River chinook salmon, *Oncorhynchus Tshawytscha* (Walbaum). Fishery Bulletin, 66:2 165-180.
- 1234 McC Mottley, C. Report on the study of the scales of the spring salmon, *Oncorhynchus Tshawytscha*, tagged in 1926 and 1927 off the west coast of Vancouver Island.
- 1235 Gilbert, C. H. Age at maturity of the Pacific Coast Salmon of the genus *Oncorhynchus*. Bulletin of the Bureau of Fisheries 1912.

- 1236 Alexandersdottir, Marianna, and O.A. Mathisen Changes in S.E. Alaska Pink Salmon (*Oncorhynchus gorbusha*) populations, 1914-1960. U. of Wash. School of Fisheries, FRI-UW-8212, July 1982, pp 55.
- 1237 Parker, Robert R. Marine mortality schedules of pink salmon of the Bella Coola River, Central British Columbia. J. Fish. Res. Board of Canada, 25:4 757-794, 1968.
- 1238 Bax, Nicholas J. Early marine mortality of marked juvenile chum salmon (*Oncorhynchus keta*) released into Hood Canal, Puget Sound, Washington, in 1980. Can. J. Fish. Aquat. Sci., 40: 426-435, 1983.
- 1239 Beacham, Terry D. and Paul Starr Population biology of chum salmon, *Oncorhynchus keta*, from the Fraser River, British Columbia. Fishery Bulletin 80:4 813-825 1982.
- 1240 Mullan, James W. Determinants of sockeye salmon abundance in the Columbia River, 1880's-1982: A review and synthesis. USDI, Fish and Wildlife Service, Biological Report 86(12), 1986 pp 136.
- 1241 Bilton, H.T. Factors influencing the formation of scale characters. Bulletin 32, Int. North Pacific Fish. Comm. 1975, pp 102-108.
- 1242 Bilton, H.T. and G.L. Robins Effects of feeding level on circulus formation of scales of young sockeye salmon (*Oncorhynchus nerka*). J. Fish. Research Board of Canada 28:6 861-868, 1971.
- 1243 Messinger, H.b. and H.T. Bilton Factor analysis in discriminating the racial origin of sockeye salmon (*Oncorhynchus nerka*). J. Fish. Res. Board of Canada 31 1-10, 1974.
- 1244 Bilton, H.T. and H.B. Messinger Identification of major British Columbia and Alaska runs of age 1.2 and 1.3 sockeye from their scale character. Bulletin 32, Int. North Pacific Fish. Comm. 1975, pp 109-129.
- 1245 Webster, D.A., W.G. Bentley, and J.P. Galligan. Management of the lake trout fishery of Cayuga Lake, New York, with special reference to the role of hatchery fish. Cornell University Memoir 357, 1959, pp 83.
- 1246 Foerster, R.E. On the relation of adult sockeye salmon (*Oncorhynchus nerka*) returns to known smolt seaward migrations. J. Fish. Res. Board of Canada 11:4 339-350, 1954.
- 1247 Larkin, P.A. and J.G. McDonald Factors in the population biology of the sockeye salmon of the Skeena River. J. Anim. Ecol. 37:229-258, 1968.

- 1248 Ward, F.J. and P.A. Larkin Cyclic dominance in Adams River sockeye salmon. Int. Pacific Salmon Fisheries Comm. Progress Report No. 11, 1964, pp 116.
- 1249 Dahlberg, M.L. Stock-and-Recruitment relationships and optimum escapements of sockeye salmon stocks of the Chignik Lakes, Alaska.
- 1250 Tomasson, Tumi Age and growth of cutthroat trout, *Salmo clarki clarki* Richardson, in the Rogue River, Oregon. Master of Science Thesis, Oregon State University, 1979, pp 75.
- 1251 Fenske, Janice Lee Attitudes and attributes of anglers who fish for trout in Michigan. Fisheries Research Report No. 1916, M.S. Thesis, U. of Michigan, 1983, pp 52.
- 1252 Clark, R.D., Jr. and G.R. Alexander Effects of a slotted size limit on the brown trout fishery of the Au Sable River, Michigan. Fisheries Research Report No. 1927. Symposium Yellowstone National Park, 1984, pp 32.
- 1253 Clark, R.D., Jr. The impact of voluntary catch and release of legal-sized fish on recreational fisheries. Fisheries Research Report 1903, Contribution from the Dingell-Johnson Project F-35-R, Michigan, 1982, pp. 23.
- 1254 Growing, H. and G.R. Alexander Population dynamics of trout in some streams of the Northern Lower Peninsula of Michigan. Fisheries Research Report No. 1877, Contribution from the Dingell-Johnson Project F-35-R, Michigan, 1980, pp 45.
- 1255 Clark, R.D., Jr. and G.R. Alexander Effects of a slotted size limit on a multispecies trout fishery. Fisheries Research Report No. 1926, Contribution from the Dingell-Johnson Project F-35-R, Michigan, 1985, pp. 33
- 1256 Crawford, B.A. The origin and history of the trout brood stocks of the Washington Department of Game. Wash. State Game Dept. and Fishery Research Report, 1979, pp 75.
- 1257 Hunt, R.L. Production and angler harvest of wild brook trout in Lawrence Creek, Wisconsin. Wis. Conserv. Dept., Technical Bulletin No. 35, 1966, 52.
- 1258 Rodger, J.D. The winter distribution, movement, and smolt transformation of juvenile coho salmon in an Oregon coastal stream. M.S. Thesis, OSU,

1986, pp. 61.

- 1259 Clark, J., and B. McCarl An investigation of the relationship between Oregon Coho salmon (*Oncorhynchus kisutch*) hatchery releases and adult production utilizing law of the minimum regression. *Can. J. of Fish. and Aquatic Sciences*, 40:4 516-523, 1983.
- 1260 Nickelson, T.E., M.F. Solazzi, and S.L. Johnson Use of hatchery coho salmon (*Oncorhynchus kisutch*) presmolts to rebuild wild populations in Oregon coastal streams. *Can. J. of Fish. and Aquatic Sciences*, 43:12 2443-2449, 1986.
- 1261 Durkin, J.T. Migration characteristics of coho salmon (*Oncorhynchus kisutch*) smolts in the Columbia River and its estuary. Chapter in a book... *Estuarine Comparisons*, Academic Press, Inc., 1982, p 365-376.
- 1262 Fisher, J. and W. Pearcy Studies of the scales and otoliths of juvenile coho salmon caught in the ocean off Oregon during the summer of 1979. Manuscript
- 1263 Marshall, D.E. and E.W. Britton Carrying capacity of coho streams. *Fisheries and Oceans, Enhancement Services Branch, Vancouver, B.C.* , 1980, pp 19.
- 1264 State of Oregon, Division of Audits An overview of factors used in determining the annual coho salmon harvest quota. 1982, pp. 48.
- 1265 Fisher, J.P. and W.G. Pearcy Growth of juvenile coho salmon (*Oncorhynchus kisutch*) during their first summer in the ocean off Oregon and Washington. Draft manuscript.
- 1266 U.S. General Accounting Office The Oregon production index: A sound fishery management tool that can be improved. *GAO/RCED-83-185*, 1983, pp. 34.
- 1267 Scarnecchia, D.L. Factors affecting coho salmon production in Oregon. M.S. Thesis, OSU, 1978, pp. 100.
- 1268 Hemmingsen, A.R., R.A. Holt, R.D. Ewing, and J.D. McIntyre Susceptibility of progeny from crosses among three stocks of coho salmon to infection by *Ceratomyxa shasta*. *Trans. of Am. Fish. Soc.* 115: 492-495, 1986.
- 1269 Walker, K.D., R.B. Rettig, and R. Hilborn Analysis of multiple objectives in Oregon coho salmon policy. *Can. J. of Fish. Aquat. Sci.* 40: 580-587,

1983.

- 1270 Peterman, R.M. and R. D. Routledge Experimental management of Oregon coho salmon (*Oncorhynchus kisutch*): designing for yield of information. 40:8 1212-1223, 1983.
- 1271 Nickelson, T.E., J.W. Nicholas, and W.M. Beidler Coastal coho production factors. Federal Aid Progress Reports Fisheries 1980. pp. 32.
- 1272 Parker, R.R. Size selective predation among juvenile salmonid fishes in a British Columbia inlet. J. Fish. Res. Board of Canada, 28:10 1503-1510, 1971.
- 1273 Nickelson, T. Memo w/graphs to Harry Wagner, Subject: Density-dependent mortality of OPI coho. August 3, 1988.
- 1274 Nickelson, T. Influences of upwelling, ocean temperature, and smolt abundance on marine survival of coho salmon (*Oncorhynchus kisutch*) in the Oregon production area. Can. J. of Fish. and Aquatic Sciences, 43:3 527-535, 1986.
- 1275 Peterman, R.M. and M.J. Bradford Statistical power of trends in fish abundance. Can. J. of Fish. and Aquatic Sciences, 44:11 1879-1889, 1987.
- 1276 Jacobs, S.E. Fishery contribution of coho salmon released from Oregon coastal private hatcheries. Ore. Dept. of Fish. & Wildlife, May 1988. pp 87.
- 1277 Crone, R.A. and C.E. Bond Life history of coho salmon, *Oncorhynchus kisutch*, in Sashin Creek, Southeastern Alaska. Reprint from unknown journal.
- 1278 Seegrist, D.W. and R. Gard Effects of floods on trout in Sagehen Cree, California. Trans. of Am. Fish. Soc. 1972, No. 3 478-482.
- 1279 Platts, W.S. and M.L. McHenry Density and biomass of trout and char in western streams. U.S. Forest Service, Gen. Tech. Rep. INT-241, 1988, pp. 15.
- 1280 Bowers, W., B. Hosford, A. Oakley, and Carl Bond Wildlife habitats in managed rangelands—the great basin of Southeastern Oregon. Native Trout. U.S. Forest Service Gen. Tech. Rep. PNW-84, 1979, pp. 16.
- 1281 Hunt, R.L. Effects of habitat alteration on production, standing crops and yield of brook trout in Lawrence Creek, Wisconsin. Symposium, “Trout

- and Salmon in Streams.” U. of British Columbia, Feb. 22-24, 1968,
Sponsored by the H.R. MacMillan Lectures in Fisheries.
- 1282 Fies, Ted Metolius River wild trout investigations, 1982-1985. Bend
Fisheries District, Ore. Dept. of Fish and Wildlife, 1986, DRAFT, pp 36.
- 1283 Oregon/Washington Interagency Wildlife Committee, Riparian Habitat
Subcommittee. Managing riparian ecosystems (zones) for fish and wildlife
in eastern Oregon and eastern Washington. 1979, pp 44.
- 1284 State of Maine Effects of three varying stocking rates on trout production
and resultant fisheries. (Draft, Final Report) 1977, pp 30.
- 1285 Gard, R. and D.W. Seegrift Abundance and harvest of trout in Sagehen
Creek, California. Trans. of Am. Fish. Soc. 1972 No. 3, 463-477.
- 1286 White, R.J. and O.M. Brynildson Guidelines for management of trout
stream habitat in Wisconsin. Tech. Bulletin No. 29, Dept. of Nat. Res.
Div. of Conserv., Madison, Wisconsin, pp. 65.
- 1287 Brynildson, O.M. Dispersal of stocked trout in five Wisconsin streams.
Wis. Cons. Dept., Research Report No. 26. 1967.
- 1288 Mercer, S.P. and J.M. Johnston Sea-run cutthroat: Development and
evaluation of a new enhancement technique. Fisheries Res. Report, Wash.
State Game Dept, 1979, pp 45.
- 1289 Peterman, R.M. Nonlinear relation between smolts and adults in Babine
Lake sockeye salmon (*Oncorhynchus nerka*) and implications for other
salmon populations. Can. J. Fish Aquat. Sci. Vol. 39, 1982, 904-913.
- 1290 Rounsefell, G.A. Factors causing decline in sockeye salmon of Karluk
River, Alaska. U.S. Fish and Wildlife Service, Fishery Bulletin 130, Vol.
58, 1958, pp. 169.
- 1291 Konkell G.W. and J.D. McIntyre Trends in spawning populations of Pacific
anadromous salmonids. U.S. Fish and Wildlife Service Technical Report
9, 1987. pp 25.
- 1292 Bledsoe, L.J., D.A. Somerton, and C.M. Lynde The Puget Sound runs of
salmon: An examination of the changes in run size since 1896. In C.D.
Levings, L.B. Holtby, and M.A. Henderson (ed.) Proceedings of the
National Workshop on Effects of Habitat Alteration on Salmonid Stocks.
Can. Spec. Publ. Fish Aquat. Sci. 105., 1989, 50-61.

- 1293 Washington State Department of Fisheries 1977 fisheries statistical report. 1977. pp 46.
- 1294 Smith, H.S. Fisheries statistics of Oregon 1950-1953. Fish Commission of Oregon, Contribution No. 22, 1956, pp 33.
- 1295 Cleaver, F.C. Fisheries statistics of Oregon. Oregon Fish Commission, Contribution No. 16, 1951, pp 176.
- 1296 Greenhood, E.C. and D.J. Mackett The California marine fish catch for 1965. Jensen, P.T. and P.G. Swartzell California salmon landings 1952 through 1965. Department of Fish and Game, Fish Bulletin 135, 1967, pp 57.
- 1297 Heimann, R.F.G. and J.G. Carlisle, Jr. The California marine fish catch for 1968 and historical review 1916-68. Department of Fish and Game, Fish Bulletin 149, 1970, pp 70.
- 1298 Brown, K., R. Berry, J. Lukas, and C. Carter 1981 Pounds and value of commercially caught fish and shellfish landed in Oregon. Oregon Department of Fish and Wildlife, 1982, pp 54.
- 1299 Brown, K., R. Berry, and L. Rogers 1980 Pounds and value of commercially caught fish and shellfish landed in Oregon. Ore. Dept. of Fish and Wildlife, 1981, pp 52.
- 1300 Oregon Department of Fish and Wildlife Status report: Columbia River fish runs and fisheries 1957-77, 1978, pp 69.
- 1301 Fish Commission of Oregon and Washington Department of Fisheries Status Report: Columbia River fish runs and commercial fisheries, 1938-70, 1973 Addendum, 1974, pp 46.
- 1302 Silliman, R.P. 1950. Fluctuations in abundance of Columbia River Chinook salmon (*Oncorhynchus tshawytscha*), 1935-45. Fisheries Bulletin of the Fish and Wildlife Service, Fishery Bulletin 51. 365-383.
- 1303 Skeesick, D.G. Spawning fish surveys in coastal watershed, 1972. Coastal Rivers investigation information report 73-3, 1973, pp 45.
- 1304 Salo, E.O. Chum salmon as indicators of ocean carrying capacity. Salmon Production, Management, and Allocation. 81-85.
- 1305 Chapman, D.W. Salmon and steelhead abundance in the Columbia River in the Nineteenth Century. Trans. of Am. Fish. Soc. 115:662-670, 1986.

- 1306 Reisenbichler, R.R. Columbia River salmonid broodstock management. Annual Progress Report to National Fishery Research Center, Seattle, WA. 1981, pp 38.
- 1307 Walter, C.J., M. Stocker, A.V. Tyler, and S.J. Westrheim Interaction between Pacific cod (*Gadus macrocephalus*) and herring (*Clupea harengus pallasii*) in the Hecate Strait, British Columbia. *Can. J. Fish Aquat. Sci.* 43:4 830-837 1986.
- 1308 Hankin, D.G. Multistage sampling designs in fisheries research: Applications in small streams. *Can. J. Fish Aquat. Sci.* 41:11 1575-1591, 1984.
- 1309 Hankin, D.G. and M.C. Healey Dependence of exploitation rates of maximum yield and stock collapse on age and sex structure of chinook salmon (*Oncorhynchus tshawytscha*) stocks. *Can. J. Fish Aquat. Sci.* 43:9 1746-1759, 1986.
- 1310 Nash, R.F., H. Rolston, III, and T. Berry Environmental ethics: The oxymoron of our time. *The Amicus Journal* 11:3 Summer 1989, 39-43.
- 1311 Callicott, B. Aldo Leopold's concept of ecosystem health. Presented at Defining Ecosystem Health: Science, Economics, or Ethics? AAAS Annual Meeting, Washington, DC, Feb. 14-19, 1991.
- 1312 Norton, B.G. Ecological health: Problems of scale and context. School of Public Policy, Georgia Institute of Technology, pp 27.
- 1313 Sagoff, M. Has nature a good of its own? Manuscript. Institute for Philosophy and Public Policy, for Coastal and Environmental Policy Program Workshop on Ecosystem Health and Environmental Management. 1990, pp 40.
- 1314 Chapter from a book on Natural Selection
- 1315 Northwest Power Planning Council Genetic Considerations in Salmon and Steelhead Planning. Technical Discussion Paper, June 3, 1986, 31 p.
- 1316 Comments to Genetic Guidelines, Northwest Power Planning Council, 1989. Various memos and supporting documents.
- 1317 Legislative Clipping 1975 Legislature. Genetics.
- 1318 Ebel, W.J., C.D. Becker, J.W. Mullan, and H.L. Raymond The Columbia

- River—Towards a Holistic Understanding. Manuscript, 51 p.
- 1319 Rondorf, D.W., G.A. Gray, and R.B. Fairley Feeding ecology of subyearling chinook salmon in riverine and reservoir habitats of the Columbia River. *Trans. Am. Fish. Soc.* 119:16-24, 1990.
- 1320 Washington Department of Fisheries The ingredients of a ten-year plan for the Washington State Department of Fisheries. Working Draft.
- 1321 Davis, Jack Making the most of our environment. Notes for an address at the 25th Annual meeting of the Fisheries Council of Canada, St. John's Newfoundland. 1970.
- 1322 Radovich, J. Catch-per-unit-of-effort: Fact, Fiction or Dogma. *Symposia of the Calcofi Conference, San Clemente, CA, Nov. 4-7, 1973*, 31-48.
- 1323 Personal notes on Density Dependent
- 1324 Percy, W.G., R.D. Brodeur, and J.P. Fisher Distribution and biology of juvenile cutthroat trout *Oncorhynchus clarki clarki* and steelhead *O. mykiss* in coastal waters off Oregon and Washington. *Fishery Bulletin*, 88:697-711 1990.
- 1325 Fisher, J.P. and W.G. Percy Spacing of scale circuli versus growth rate in young coho salmon. *Fishery Bulletin*, 88:637-643, 1990.
- 1326 Everest, F.H. How to demonstrate the importance of fishery resources to interdisciplinary planning teams. *Am. Fisheries Soc*, Jan-Feb. 1979, 15-19.
- 1327 Nawa, R.K. and C. Frissell Measuring scour and fill of gravel stream beds with scour chains and sliding bead monitors. Prepared for submission to *Can. J. of Fish. and Aquat. Sci.* May 9, 1991 draft.
- 1328 Frissell, C.A. and R.K. Nawa Incidence and causes of physical failure of artificial habitat structures in streams of western Oregon and Washington. Draft of manuscript submitted to *N. Am. J. of Fish. Management*, Dated Feb. 11, 1991.
- 1329 Frissell, C.A. Topology of extinction of native fishes in the Pacific Northwest and California (USA). Manuscript submitted to *Conservation Biology*, Dated Apr 29, 1991.
- 1330 Waggener, T.R. Some economic implications of sustained yield as a forest regulation model. *Contemporary Forestry Paper, Contribution No. 6, Univ.*

of Washington, May 1969, 22 p.

- 1331 Kapuscinski, A.R. Genetic analysis of policies and guidelines for salmon and steelhead hatchery production in the Columbia River Basin. Executive Summary prepared for the Northwest Power Planning Council, Dept. of Fisheries and Wildlife, U. of Minnesota, Mar 15, 1991.
- 1332 Wilderness Society and Underhill Foundation A forgotten legacy, BLM lands of the American West. The Wilderness Society, Washington, D.C., 24 p.
- 1333 Chapman, W.M. The pilchard fishery of the State of Washington in 1936 with notes on the food of the silver and chinook salmon off the Washington coast. State of Washington, Division of Scientific Research, Dept. of Fisheries, Biological Report No. 36C, 30 p.
- 1334 Reed, M.J. Manuscript - 1990.
- 1335 McEvoy, Arthur Historical interdependence between ecology, production, and management in the California fisheries. Presented annual meeting Oregon chapter, American Fisheries Society, Feb 7, 1990, 26 p.
- 1336 Halbert, C.L. and K.N. Lee The timber, fish, and wildlife agreement: Implementing alternative dispute resolution in Washington State. To appear in the Northwest Environmental Journal, 1990, 30p.
- 1337 Washington Department of Wildlife.
- 1990 Status Report - Endangered and Threatened. 10p.
- 1338 Thomas, Jack Ward Toward the managed forest: Going places that we've never been. Wildl. Soc. Bull. 13:197-201, 1985.
- 1339 Oregon Dept. of Fish and Wildlife Comprehensive plan for production and management of Oregon's anadromous salmon and trout. Part IV. Coastal chinook salmon plan. Feb 8, 1991, 34 p w/appendix.
- 1340 Evenson, M.D. and R.D. Ewing Annual progress report: Fish culture project, Oregon. Oregon Department of Fish and Wildlife, Portland, 1990, 19 p.
- 1341 Ohaus, Tom Pink and plentiful. Pacific Fishing, June 1991, page 39.

- 1342 Sharpio, Steve Salmon frozen out of U.S. market. Pacific Fishing, June 1991, page 7.
- 1343 Parker, Donna Banner or Bummer? Handling the huge harvest of Alaskan salmon. Pacific Fishing, June 1991, 41-44.
- 1344 Lee, Robert G. Institutional stability: A requisite for sustainable forestry. Manuscript from University of Washington, presented as Starker Lecture, Oregon State University, Oct. 25, 1990. Sustainable, forestry, institutional.
- 1345 Brodeur, Richard D. and William G. Pearcy Tropic relations of juvenile Pacific Salmon off the Oregon and Washington Coast. Fishery Bulletin, 88:617-636.
- 1346 Climatic and oceanic variations affecting yield of Icelandic stocks of Atlantic salmon (*Salmo salar*). Can. J. of Fish. and Aquatic Sci., 1984, 41(6):917-935.
- 1347 MacDonald, Lee H., and Alan W. Smart and Robert C. Wissmar Monitoring guidelines to evaluate effects of forestry activities on streams in the Pacific Northwest and Alaska. Center for Streamside Studies in Forestry, Fisheries, and Wildlife, U. of Washington, EPA 910/9-91-001, 1991, 166 p.
- 1348 Cummings, T. Edwin Private salmon hatcheries in Oregon. Oregon Dept. of Fish and Wildlife, Sept. 1987, 27 p.
- 1349 Roberts, Paul Lost in the Woods. Perhaps published in Seattle Weekly, 1990 or 1991.
- 1350 Grumbine, Edward Protecting biological diversity through the greater ecosystem concept. Natural Areas Journal, 1990 10(3):114-120.
- 1351 Chew, Kenneth K. and Derrick Toba Western Region Aquaculture Industry Situation and Outlook Report. Western Regional Aquaculture Consortium Administrative Center, U. of Washington, 23 p.
- 1352 Port of Port Angeles The Northwest Olympic Peninsula timber supply and demand outlook. Port Angeles, WA, July 1988, 82 p.
- 1353 Washington State Planning Council A master plan for forestry in Washington: A statement of facts, outline of general plan, and recommendations for action. Research Publication No. 4, 1936, 55 p.

- 1354 Franklin, Jerry, H.H. Shugart, and Mark E. Harmon. Tree death as an ecological process. Unknown publication, 1989.
- 1355 Ricker, W.E. 1958. Maximum sustained yields from fluctuating environments and mixed stocks. *J. Fish. Res. Board Can.* 15(5):991-1006.
- 1356 Paulik, G.J., A.S. Hourston, and P.A. Larkin Exploitation of multiple stocks by a common fishery. *J. Fish. Res. Bd. Can.* 24(12):2527-2537 1967.
- 1357 Lackey, Robert T. and Wayne A. Hubert Analysis of Exploited Fish Populations. Sea Grant, Extension Division, Virginia Polytechnic Institute and State University, Blacksburg, VA 244061, VPI-SG-76-04, 97 p.
- 1358 Reisenbichler, R.R. Basis for managing the harvest of chinook salmon. *N. Am. J. of Fish. Mgt.* 7:589-591, 1987.
- 1359 Junge, Charles O. and Arthur L. Oakley Trends in production rates for upper Columbia River runs of salmon and steelhead and possible effects of changes in Turbidity. Reprinted from Research Briefs, Fish Commission of Oregon Vol 12 No. 1, April 1966, 22 p.
- 1360 Reisenbichler, R.R. Utility of spawner-recruit relation for evaluating the effect of degraded environment on the abundance of chinook salmon, *Oncorhynchus tshawytscha*. In C.D. Levings, L.B. Holtby, and M.A. Henderson [ed.] Proceedings of the National Workshop on Effects of Habitat Alteration on Salmonid Stocks. *Can. Spec. Publ. Fish. Aquat. Sci.* 105, 1989. p. 21-32.
- 1361 Ware, D.M. Relation between egg size, growth, and natural mortality of larval fish. *J. Fish. Res. Board of Canada*, 32:2503-2512, 1975.
- 1362 Eckmann, Reiner, Ursula Gaedke, and Hans Johst Wetzlar Effects of climatic and density-dependent factors on year-class strength of *Coregonus lavaretus* in Lake Constance. *Can. J. Fish Aquat. Sci.* 45:1088-1093, 1988.
- 1363 Austin, Herbert M. and Clarence R. Hickey, Jr. Predicting abundance of striped bass, *Morone saxatilis*, in New York waters from modal lengths. *Fishery Bulletin*, 76(2):467-473, 1978.
- 1364 Birman, I.B. Migration of Pacific salmon in the Okhotsk Sea. *J. Fish. Res. Board of Canada*, Translation Series 1420, 1970, 16 p.
- 1365a Anderberg, Robert K. Wall Street and the Great North Woods. The

Amicus Journal, Winter 1989, 40-43.

- 1365b London The Sunday Times. 1990. Goldsmith goes green amid the economic blues. October 21, 1990.
- 1365c The Seattle Times. 1990. A clear-cut case: Fates of european Timber baron, tribe entwined. May 10, 1990. Page 1.
- 1366 Caufiel, Catherine A Reporter at Large: The Ancient Forest. Perhaps an article from The New Yorker. ??
- 1367 Young, John A. and Jan M. Newton Taming the "Timber Beast." Chapter in Capitalism and Human Obsolescence, Corporate Control versus Individual Survival in Rural America. Montclair: Allanheld, 1980, Chapter 2. 21-56.
- 1368 Colinvaux, Paul A. The Ice Age roots of American forests. The World and I, March 1990, 281-287.
- 1369 Unsure of author Sustained yield forest management as a solution to American forest conservation problems. 1931.
- 1370 Miscellaneous letters about Timber sales in Oregon. Ten Mile Creek. Murrelets. Ancient Forests. Conservation International. (Key Words)
- 1371 Letters to the Editor - Northwest Environmental Journal. Public Policy, Dispute Resolution, Fraidenburg, NRRC. (Key Words)
- 1372 Hysten, A. and O. Dragesung Recruitment of young Arcto-Norwegian cod and haddock in relation to parent stock size. Unknown publication 57-67.
- 1373 Breiwick, J.M., L.L. Eberhardt, and H.W. Braham Population dynamics of western Arctic bowhead whales (*Balaena mysticetus*). J. Fish. Res. Board of Canada , 41:484-496, 1984.
- 1374 Gulland, J.A. and L.K. Boerema Scientific advice on catch levels. Fishery Bulletin 71:2 523-335, 1973.
- 1375 Peterman, R.M. and G.J. Steer Relation between sport-fishing catchability coefficients and salmon abundance. Trans. of Am. Fish. Soc. 110:585-593, 1981.
- 1376 Ricker, W. E. Critical statistics from two reproduction curves. pages 333-340. (Unknown journal and year.)

- 1377 Chapman, Douglas G. Spawner-recruit models and estimation of the level of maximum sustainable catch. pages 326-332. (From same pub. as Ricker article file # 1376).
- 1378 Grosslein, M.D., and R.C. Hennemuth Spawning stock and other factors related to recruitment of haddock on Georges Bank. pages 77-88. (Unknown publication.)
- 1379 Hankin, D.G. A multistage recruitment process in laboratory fish populations: Implications for models of fish population dynamics. *Fishery Bulletin*, 78:3 555-578, 1980.
- 1380 Goodeve, Sir Charles Part I. Fundamentals of the theory of fishing, illustrated by analysis of a trawl fishery. *Nature* 21-135, 1948.
- 1381 Goodeve, Sir Charles Part IV. The use of theoretical models in a study of the dynamics and reaction of exploitation of fish populations. *Nature* 308-325, 1948.
- 1382 Silliman, R.P. and J.S. Gutsell Experimental exploitation of fish populations. *Fishery Bulletin No. 133*, from *Fishery Bulletin of the Fish and Wildlife Service*, Vol 58, 1958.
- 1383 Stearns, S.C. Life-history tactics: A review of the ideas. *The Quarterly Review of Biology* (missing publication details).
- 1384 Elson, W.M. The adaptive significance of variations in life history among local populations of Atlantic salmon in North America. *Ecology*, 56: 577-590 1975.
- 1385 Botsford, L.W. The effects of increased individual growth rates on depressed population size. *Am. Nat.*, 117:1 38-63, 1981.
- 1386 Kohler, C.C., J.J. Ney and A.A. Nigro Compact, portable vertical gill net system. *The Progressive Fish-Culturist*, 34-35.
- 1387 Bimber, D.L. and A.A. Nigro The spring salmonid fishery near a thermal discharge in Lake Erie at Dunkirk harbor. *Ohio J. Sci.*, 82:4 193-195, 1982.
- 1388 Nigro, A.A. and J.J. Ney Reproduction and early-life accommodations of landlocked alewives to a southern range extension. *Trans. of Am. Fish. Soc.*, 111:559-569, 1982.
- 1389 Argyle, R.L. Alewives and rainbow smelt in Lake Huron: Midwater and

- bottom aggregations and estimates of standing stocks. *Trans. of Am. Fish. Soc.* 111:267-285, 1982.
- 1390 Herke, W.H. Life history concepts of motile estuarine-dependent species should be re-evaluated. Manuscript, 97 p, 1977.
- 1391 Ney, J.J., C.C. Kohler, and A.A. Nigro Landlocked alwife in Claytor Lake, Virginia: Evaluation as a forage species for inland waters. Dept. of Fish. and Wildlife Sci, Vir. Polytechnic Inst. and State Univ., Blacksburg, VA 72 p, 1982.
- 1392 Aney, Warren Memo to Randy Fisher, ODFW, Sept. 19, 1990, Subject: Biodiversity and Sustainability. 8 p.
- 1393 Oregon Trout Survey of fish gene conservation taken from scientific publications. 11 p, 1989.
- 1394 McCarl, B.A. and R.B. Rettig Influence of hatchery smolt releases on adult salmon production and its variability. *J. Fish. Res. Board of Canada*, 40:1880-1886, 1986.
- 1395 Reckhow, K.H. 1990 Bayesian inference in non-replicated ecological studies. *Ecology*, 71:6 2053-2059.
- 1396 Donaldson, L.R., P.R. Olson, S. Olsen, and Z.F. Short The Fern Lake studies. College of Fisheries, Contribution No. 352, Univ. of Washington. RLO-2225-T7-6, 75 p, 1971.
- 1397 Larkin, P.A. Fisheries management: An essay for ecologists. *Ann. Rev. Ecol. Syst.*, 9:57-73, 1978.
- 1398 Hines, N.O. Atoms, nature, and man: Man-made radioactivity in the environment. U.S. Atomic Energy Commission, Division of Tech. Info. 57 p, 1966.
- 1399 Graff, D.R. The politics of wild trout. *Trout, Winter*, 13-19, 1986.
- 1400 Washington Environmental Foundation Proceedings of the Wild Salmon and Trout Conference. Seattle University, 152 p, 1983.
- 1401 Trout Unlimited Proceedings of the wild trout management symposium at Yellowstone National Park, Sept. 25-26, 1974. 103 p, 1975.
- 1402 Trout Unlimited Proceedings of wild trout II. Yellowstone National Park, Sept. 24-25, 1979, 164 p. 1980.

- 1403 Federation of Fly Fishers, Trout Unlimited, Fish and Wildlife Service, U.S. Forest Service. Wild Trout III: Proceedings of the Symposium. Yellowstone National Park Sept. 24-25, 1984. 192 p.
- 1404 Columbia River fish management plan. 61 p, 1987.
- 1405 Summary of U.S. v. Oregon and the Columbia River fish management plan. 39 p. 1988.
- 1406 Hilborn, R. and C.J. Walters Differing goals of salmon management on the Skeena River. J. Fish. Res. Board of Canada, 34:1 64-72, 1977.
- 1407 Copes, Parzival Implementing Canada's marine fisheries policy: Objectives, hazards and constraints. Marine Policy, July 1982, 221-235.
- 1408 Larkin, P.A. Future of fisheries management or the diverging paths of theory and practice. ? 269-279.
- 1409 Berg, Emil R. Management of Pacific Ocean salmon ranching: A problem of federalism in the coastal zone. Coastal Zone Management Journal 9:1 41-76, 1981.
- 1410 Western Assoc. of Fish and Wildlife Agencies Responsive management: A proposal for monitoring change and tailoring agency programs. 13 p.
- 1411 Larkin, P.A. and N.J. Wilimovsky Contemporary methods and future trends in fishery management and development. J. Fish. Res. Board of Canada 30: 1948-1957, 1973.
- 1412 Salmon and Steelhead Advisory Commission A new management structure for anadromous salmon and steelhead resources and fisheries of the Washington and Columbia River Conservation areas. 71 p., 1984.
- 1413 Pennsylvania Fish Commission, Division of Fisheries Management of trout fisheries in Pennsylvania water. 122 p. 1986.
- 1414 Larkin, Peter Pacific salmon scenarios for the future. Washington Sea Grant Publ., Donald L. McKernan Lectures in Marine Affairs. 23 p. 1980.
- 1415 Schoning, R.W. (ed.) Science, politics, and fishing: A series of lectures. Ore. St. Univ., Sea Grant ORESU-W-81-001, 139 p.
- 1416 O'Toole, Randal Lee The citizen's guide to forestry and economics. General Forestry Rept. No. 2. 24 p. 1982.

- 1417 Swindel, Bence F. The Bayesian controversy. USDA Forest Service Research Paper SE-95, Southeastern Forest Experiment Station, Asheville, NC, 12 p. 1972.
- 1418 Nicholas, Jay Comprehensive plan for production and management of Oregon's anadromous salmon and trout: Part IV. Coastal chinook salmon plan. First Draft, December 1, 1988, 191 p.
- 1419 Rohlf, Daniel J. Six biological reasons why the Endangered Species Act doesn't work and what to do about it. Draft #4, 6/25/90, Natural Resources Law Institute, Lewis and Clark Law School, 40 p.
- 1420 Corn, M. Lynne and Pamela Baldwin An Endangered Species Act primer. Forest Watch, June 1990, 17-25.
- 1421 Hollon, Jim A case of diminishing returns: Columbia River wild salmon. Northwest Steelheader, July/August, 1990, page 7.
- 1422 Senator Gorton's field hearings on "Endangered Species Petitions on Columbia and Snake Rivers Salmon". Witness List. August 20, 1990.
- 1423 Statement of Copp, Gerald L., PUD District of Cheland, Douglas, and Grant Counties, presented to Slade Gorton, August 20, 1990.
- 1424 Statement of Pat M. Stevens IV, U.S. Army Corps of Engineers, Statement on Endangered Species at Congressional Oversight Hearing, for Slade Gorton, Aug. 20, 1990.
- 1425 Statement of Washington Dept. of Fisheries presented to Slade Gorton's Field Hearings, August 20, 1990.
- 1426 Koberstein, Paul Battle lines form over wild salmon's future. The Sunday Oregonian, May 27, 1990.
- 1427 Utter, Fred M. 1980. The biological basis for the definition of species of anadromous salmonids under the endangered species act. Coastal Zone and Estuarine Studies, January 1980, 24 p.
- 1428 Utter, F.M., W. J. Ebel, G.B. Milner, and D.J. Teel. 1982. Population structures of fall chinook salmon, *Oncorhynchus tshawytscha*, of the Mid-Columbia and Snake Rivers. Coastal Zone and Estuarine Studies Division, Nat. Marine Fisheries Service, Seattle, WA, May 1982, 14 p.
- 1429 Kelly, Michael D., William J. Wilson, Patricia O. McMillan, and William

- W. Smoker Annotated bibliography: Alaska and Kotzebue District-specific, genetics concerns, and general salmonid management issues. School of Fisheries and Science, Univ. of Alaska Southeast, Cooperative Agreement No. CA-9700-5-8016. 93 p, 1989.
- 1430 Williams, Jack E., and Cynthia D. Williams The Endangered Species Act and the Sacramento River winter chinook salmon. Manuscript 16 p.
- 1431 Columbia River Basin Fish Extinction Record, ODFW 1988.
- 1432 Columbia River Basin Wild Steelhead Stock Status, Data compiled by Oregon Trout.
- 1433 Milner, George, David J. Teel, and Fred M. Utter Columbia River stock identification study. NOAA, Coastal Zone and Estuarine Studies Division, Seattle, WA 28 p with appendices, October 1980.
- 1434 Utter, F., G. Milner, G. Stahl, and D. Teel. 1989. Genetic population structure of chinook salmon, *Oncorhynchus tshawytscha*, in the Pacific Northwest. Fishery Bulletin, U. S. 87: 239-264.
- 1435
- 1435 Nat. Marine Fisheries Service, Fish and Wildlife Service Policy Position Papers for the Consideration of Columbia River salmon under the Endangered Species Act. Paper 1: Definition of species. Paper 2: Biological thresholds of endangerment. Paper 3: Artificial propagation, October 1980.
- 1436 Milner, G.B., D.J. Teel, F.M. Utter, and C.L. Burley Columbia River Stock identification study: Validation of genetic method. 35 p with appendices, June 1981.
- 1437 Miscellaneous Salmon at a Crossroads papers, Willa Nehlsen, Jack Williams, Jim Lichatowich.
- 1438 Clark, Collin W. The economics of overexploitation. Science, Vol 181, Aug 17, 1973, 630-634.
- 1439 Brown, W.G., A. Singh, and E.N. Castle An economic evaluation of the Oregon salmon and steelhead sport fishery. Oregon State University Agr. Exp. Station, Technical Bulletin 78, 47 p, 1964.
- 1440 Stoevener, H.H. and W.G. Brown Analytical issues in demand analysis for outdoor recreation. J. of Farm Economics, 49:5 1295-1305, 1967.
- 1441 Crutchfield, J.A. and K. Schelle An economic analysis of Washington

- Ocean recreational salmon fishing with particular emphasis on the role played by the charter vessel industry. Univ. of Washington, 55 p. 1978.
- 1442 Carter, Chris Memo to Bill Bakke, Tables showing economic impacts of recreational and commercial fishing. July 11, 1986.
- 1443 Mattox, B.W. and J.B. Stevens Augmentation of salmon stocks through artificial propagation: Methods and implications. Technical Paper No. 3010, Oregon Agricultural Experiment Station.
- 1444 Carter, Christopher N. and Hans D. Radtke Coastal community impacts of the recreational/commercial allocation of salmon in ocean fisheries. Oregon Department of Fish and Wildlife Staff Report. 35 p. 1986.
- 1445 Beauchamp, David A., Michael F. Shepard, and Gilbert B. Pauley Species profiles: Life histories and environmental requirements of coastal fishes and invertebrates (Pacific Northwest). Chinook Salmon. University of Washington, Fishery Research Unit, FWS/OBS-82/11.6 15 p. 1983.
- 1446 Oregon Department of Fish and Wildlife Comprehensive plan for production and management of Oregon's anadromous salmon and trout. Part II. Coho salmon plan. 1982.
- 1447 Bjornn, T.C. and N. Horner Biological criteria for classification of Pacific salmon and steelhead as threatened or endangered under the Endangered Species Act. Idaho Cooperative Fishery Research Unit, Univ. of Idaho, Moscow, 24 p., 1980.
- 1448 National Marine Fisheries Service Summary of workshop: Biological basis for listing species or other taxa of salmonids pursuant to the Endangered Species Act of 1973. Portland Oregon, Dec 7-8, 1978.
- 1449 Deacon, J.E., G. Kobetich, J.D. Williams, S. Contreras, et al. Fishes of North America Endangered, Threatened, or of Special Concern: 1979. Fisheries, 4:2 29-44, 1979.
- 1450 Smith, F.J. What are salmon worth? Oregon State University, Sea Grant SG48, July 1978.
- 1451 Cauvin, D. The valuation of recreational fisheries. Can. J. Fish Aquat. Sci. 37: 1321-1327, 1980.
- 1452 Russell, Clifford S. and William J. Vaughan The national recreational fishing benefits of water pollution control. J. of Environmental Economics and Management, 9 328-354, 1982.

- 1453 Pope, C. Arden, III, Clark E. Adams, and John K. Thomas The economic value of wildlife resources in Texas. Presented at the 1983 Western Agricultural Economics Association Meeting, Laramie, WY, 13 p.
- 1454 Alternatives in resource management: Observations presented on a panel of the AIBS Interdisciplinary workshop, Laramie, WY July, 1970. 14 p.
- 1455 Davis, Jack Ecology and economic growth. Address to the Assoc. of Consulting Engineers of Canada. June 12, 1970. Dept. of Fisheries and Forestry of Canada.
- 1456 Davis, Jack Ecology: The science of survival. Address to Capilano Liberal Workshop on Pollution, Canyon Gardens, North Vancouver.
- 1457 Adamowicz, Wiktor L. Economics and Wildlife Policy: A household production function approach. Dept. of Rural Economy, Univ. of Alberta. 31 p. 1983.
- 1458 Copes, Parzival and Jack L. Knetsch Recreational fisheries analysis: Management modes and benefit implications. Can. J. Fish Aquat. Sci. 38: 559-570, 1981.
- 1459 Matulich, Scott C. and Jeffrey E. Hanson A bioeconomic approach to analyzing wildlife habitat/land management conflicts. Dept. of Ag. Economics, Washington State University, Pullman, 12 p., 1983.
- 1460 Pope, C. Arden, III, Clark E. Adams and John K. Thomas The recreational and aesthetic value of wildlife in Texas. Texas A & M University, Agric. Exp. Station Tech. Article No. 18274, 20 p.
- 1461 Shalloof, Faisal and W.G. Brown Estimated value of deer and elk taken by Oregon hunters via the travel cost method. Presentation at Western Ag. Economics Association, Univ. of Wy. July 10-12, 1983, 12 p.
- 1462 Pope, C. Arden, III, Clark E. Adams and John K. Thomas The economic value of wildlife resources in Texas. Texas A&M Univ, Ag. Exp. Station, Department Information Report 83-1 SP-2, July 1983, 13 p.
- 1463 Bisson, P.A. 1986. Importance of identification of limiting factors in an evaluation program. Unpublished manuscript. 22p.
- 1464 Carl, L.M. and M.C. Healey. 1984. Differences in enzyme frequency and body morphology among three juvenile life history types of chinook salmon (*Oncorhynchus tshawytscha*) in the Nanaimo River, British

- Columbia. *Can. J. Fish. Aquat. Sci.* 41:1070-1077.
- 1465 Foerster, R.E. and W.E. Ricker. 1953. The coho salmon of Cultus Lake and Sweltzer Creek. *J. Fish. Res. Bd. Can.* 10:6 293-319.
- 1466 Gunnarsdottir, H. 1992. Scale patterns indicate changes in use of rearing habitat by juvenile coho salmon, *Oncorhynchus kisutch*, from 1955 and 1984 in the Tenmile Lakes, Oregon. Thesis Master of Science in Fisheries, Oregon State University, 72p.
- 1467 Homolka, K. and E.M. Smith. 1991. Evaluation of spring chinook salmon and winter steelhead passage at Fall Creek Dam, 1990. Oregon Department of Fish and Wildlife, Research and Development Section.
- 1468 Hutchings, J.A. 1986. Lakeward migrations by juvenile Atlantic salmon, *Salmo salara*. *Can. J. Fish. Aquat. Sci.* 43:732-741.
- 1469 Nickelson, T.E., J.D. Rodgers, and S.L. Johnson. 1992. Seasonal changes in habitat use by juvenile coho salmon (*Oncorhynchus kisutch*) in Oregon coastal streams. *Can J. Fish. Aquat. Sci.* 49:4 783-789.
- 1471 Swain, D.P. and L.B. Holtby. 1989. Differences in morphology and behavior between juvenile coho salmon (*Oncorhynchus kisutch*) rearing in a lake in its tributary stream. *Can. J. Fish Aquat. Sci.* 46:1406-1414.
- 1472 Mattson, C.R. 1962. Early life history of Willamette River spring chinook salmon. (2 pages only).
- 1473 Electric Power Research Institute (EPRI) 1987. Mechanisms of compensatory response of fish populations: Workshop proceedings. Proceedings prepared by Otto & Associates and Science Applications International Corporation. Subjects: population dynamics, environmental impact, fish,
- 1474 Winton, John N. 1991. Supplementation of Wild salmonids: Management practices in British Columbia. Thesis in M.S. in Marine Affairs, U. of Washington.
- 1475 Columbia River Inter-Tribal Fish Commission 1992 Salmon recovery program for the Columbia River Basin. An advisory report for the U.S. Congress and other parties interested in salmon restoration efforts. Contact Phillip R. Mundy
- 1476 Healey, M.C. 1984 The Life History of Chinook Salmon (*Oncorhynchus tshawytscha*) Manuscript. Look for a faded green notebook.

- 1477 Rogue River data and manuscript rough draft. Look for a faded green notebook.
- 1478 Sutherland, Doyle F. 1973 Distribution, deasonal abundance, and some biological features of steelhead trout, *Salmo gairdneri*, in the North Pacific Ocean. *Fishery Bulletin* 71:3 787-826.
- 1479 Kapuscinski, A.R. and L.D. Jacobson 1987 Genetic guidelines for fisheries management. Dept. of Fisheries and Wildlife, U. of Minnesota. Sea Grant Publication.
- 1480 Ihssen, P.E., J.M. Casselman, G.W. Martin, and R.B. Phillips. 1988. Biochemical genetics differentiation of lake trout (*Salvelinus namaycush*) Stocks of the Great Lakes region. *Can J. Fish. Aquat. Sci.* 45: 1018-1029.
- 1481 Sheppard, Douglas 1972. The present status of steelhead trout stocks along the Pacific Coast. Reprinted from IMS Report R72-23, Sea Grant Report 73-3. Univ. of Alaska.
- 1482a Chilcote, M.W., S.A. Leider and B.A. Crawford. 1980. Kalama River salmonid studies. Washington Dept. of Game. Keywords: steelhead, wild fish, hatchery
- 1482b Chilcote, M.W., S.A. Leider and J.J. Loch. 1984. Kalama River salmonid studies. Washington Dept. of Game. Fisheries Management Division, Progress Report 84-5, 131 p. Keywords: steelhead, wild fish, hatchery
- 1483 Marshall, A.R., M. Miller, C. Busack, and S.R. Phelps. 1991 Genetic stock identification analysis of three 1990 Washington ocean and Strait of Juan de Fuca Chinook and Salmon Fisheries. Keywords: genetics, Indian, recreation fishery, coast.
- 1484 Manuscript no name, title: Wild steelhead conservation. Keywords: steelhead, wild, conservation, Oregon, angling, Klama, Oregon Trout.
- 1485 Cross, T.F. 1989 Genetics and the management of the Atlantic Salmon. Atlantic Salmon Trust. Univ. College of Cork, Ireland.
- 1486 Percy, W.G. and K. Masuda Tagged steelhead trout (*Salmo gairdneri* Richardson) collected in the North Pacific by the Oshoro-Marui, 1982-1985. Reprinted from *Bulletin of the Faculty of Fisheries, Hokkaido University*, Vol. 38 No. 3, 203-208.
- 1487 Johnson, Thom H. Fecundity of Wild Steelhead in the Upper Skagit

River. Manuscript, Snow Creek Research Station, Port Townsend, WA.

- 1488 Johnson, Thom H. 1981 Exploitation rates and spawner escapement goals for wild steelhead population. Presented at annual meeting of North Pacific International Chapter American Fisheries Society, and Wash. Dept. of Game annual biologist meeting.
- 1489 McGie, Alan Memo Re: Stock-Recruitment Relationships of Winter Steelhead, North Fork Umpqua River. November 5, 1982. Keywords: life cycle, Winchester Dam, hatchery, wild fish
- 1490
- 1490 Chrisp, E.Y. and T.C. Bjornn 1978 Parr-Smolt transformation and seaward migration of wild and hatchery steelhead trout in Idaho. A final report from Project F-49-12, Salmon and Steelhead Investigation. Idaho Cooperative Fishery Research Unit, Univ. of Idaho, Moscow.
- 1491 Warren, C.E., M. Allen, and J.W. Haefner 1979 Conceptual frameworks and the philosophical foundations of general living systems theory. Behavioral Sci. 24: 296-310. Keywords: living systems, conceptual framework, translevel, philosophy, generalization, hierarchy.
- 1492 Clark, W.C. and R.E. Munn 1986 Sustainable development of the biosphere. Cambridge Univ. Press, International Inst. for Applied Systems Analysis, Laxenburg, Austria.
- 1493 Warren, C.E. 1979 Toward classification and rationale for watershed management and stream protection. Dept. of Fisheries and Wildlife, Oregon State University, report to Envir. Res. Lab. Corvallis, 139 p. Keywords: conceptual framework, classification, watershed, capacity
- 1494 Bateson, Gregory 1972 Steps to an ecology of mind. Ballantine Books, Inc., New York. Keywords: population, technology, pollution, philosophy.
- 1495 Simberloff, Daniel 1988 The contribution of population and community biology to conservation science. Ann. Rev. Ecol. Syst. 19: 473-511. Keywords: biology, future, laws, biogeographic theory.
- 1496 Wilson, E.O. and W.L. Brown, Jr. The subspecies concept and its taxonomic application. In Systematic Zoology, p 97-111. Keywords: population, geographical, concepts, groups
- 1497 Gjerde, Bjarne, K. Gunnes, and T. Gjedrem 1983 Effect of inbreeding on survival and growth in rainbow trout. Elsevier Science Publications, B.V. Amsterdam Aquaculture 34: 327-332.

- 1498 Howell, P.J. and D.V. Buchanan (Eds) 1992 Proceedings of the Gearhart Mountain Bull Trout Workshop. Oregon Chapter of the American Fisheries Society, Corvallis, OR
- 1499 Connell, J.H. and W.P. Sousa 1983 On the evidence needed to judge ecological stability or persistence. *The American Naturalist* 121:6 789-824
- 1500 Wohlfart, Giora W. 1986 Decline in natural fisheries - A genetic analysis and suggestion for recovery. *Can. J. Fish Aquat. Sci.* 43: 1298-1306
Keywords: Israel, Great Lakes, restore, genetics
- 1501 Fraidenburg, M.E. and R.H. Lincoln 1985 Wild Chinook Salmon Management: An international conservation challenge. *North American J. of Fisheries Management* 5:3 311-329.
- 1502 Frankel, O.H. 1974. Genetic Conservation: Our evolutionary responsibility. *Genetics* 78: 53-65. Keywords: plants, domestication, wildlife, gene pools, natural communities.
- 1503 Ollason, J.G. 1991. What is this stuff called fitness? *Biology and Philosophy* 6: 81-92. Keywords: Scotland, genetics, phenotype, natural selection, evolution
- 1504 Chesson, Peter and M. Rosenzweig 1991. Behavior, heterogeneity, and the dynamics of interacting species. *Ecology* 72:4 1187-1195. Keywords: density dependent, genetics, population, models, growth
- 1505 Gordon, Deborah M. 1991 Variation and change in behavioral ecology. *Ecology* 72:4 1196-1203. Keywords: traits, variation, ants, phenotype, model
- 1506 Gross, Mart R. Salmon breeding behavior and life history evolution in changing environments. *Ecology*, 72:4 1180-1186. Keywords: breeding, salmon, genetics, fitness, juvenile
- 1507 Byrne, A. and T.C. Bjornn 1988 An evaluation of supplementing wild stocks of steelhead with hatchery fish using a life history model. Idaho Cooperative Fish and Wildlife Research Unit. Technical Report 88-3.
- 1508 Manly, B.F.J. and V.L. Wright 1982 Report of workshop on design of environmental impact statements. Department of Experimental Statistics, Special Report 82-01. Keywords: design, spacial, temporal,

- 1509 Timmerman, P. Mythology and surprise in the sustainable development of the biosphere. Chapter 16 in Sustainable Development of the Biosphere. Keywords: stock, natural economics, time relative, myths, stable, spawn
- 1510 Ravetz, J.R. Usable knowledge, usable ignorance: incomplete science with policy implications. Chapter 15 in Sustainable development of the biosphere. Keywords: hatchery, ethics, environment, science
- 1511 Crowford-Brown, D.J. and N.E. Pearce. 1989 Sufficient proof in the scientific justification of environmental actions. Environmental Ehtics Vol 11, 153-167.
- 1512 Shapiro, J.A. 1991 Genomes as smart systems. *Genetica* 84:3-4. Keywords: genetics, DNA, intelligent systems
- 1513 Alberch, P. 1991 From genes to phenotype: dynamical systems and evolvability. *Genetica* 84: 5-11 Keywords: biology, framework, genetics, morphology
- 1514 Emlen, J.M. 1991 Heterosis and outbreeding depression: A multilocus model and an application to salmon production. *Fisheries Research* 12 187-212. Keywords: fitness, stocks, genetics
- 1515 Hanna, Susan S. 1990 The Eighteenth Century English Commons: A model of ocean management. *Ocean & Shoreline Management* 14: 155-172. Keywords: marine resources, land, private property
- 1516 Smith, Courtland 1990 Resource scarcity and inequality in the distribution of catch. *N. Amer. J. of Fish. Management* 10: 269-278. Keywords: fishermen, ocean, salmon, catch, Lorenz curves, Columbia River.
- 1517 Larkin, P.A. 1978 Is it wise to plan to manage salmon populations making a distinction between wild and 'hatchery' stocks? A comment of the question.. Manuscript, ODFW Keywords: Management, stock concept, Pacific Salmon, enhancement, hatcheries.
- 1518 Byerly, Henry C. 1991 Fitness and evolutionary explanation. *Biology and Philosophy* 6: 1-22. Keywords: explanation, fitness, natural selection, propensity, tautology, capacities.
- 1519 Saxton, A.M., W.K. Hershberger and R.N. Iwamoto 1984 Smoltification in the net-pen culture of coho salmon: Quantitative genetic analysis. *Trans. Am. Fisheries Soc.* 113: 339-347.

- 1520 Smith, C.L. and S.S. Hanna. 1990 Measuring fleet capacity and capacity utilization. *Can. J. of Fish. and Aquat. Sci.* 47:11 2085-2901.
- 1521 Moussalli, E. and R. Hilborn. 1986 Optimal stock size and harvest rate in multistage life history models. *Can. J. Fish. Aquat. Sci.* 43: 135-141.
Keywords: stock recruitment, growth, survival rate, productivity
- 1522 Boyd, R.T. 1985. The introduction of infectious diseases among the Indians of the Pacific Northwest, 1774-1874. Ph.D. dissertation, Department of Anthropology, University of Washington.
- 1523 Croes, D.R. and S. Hackenberger. 1988. Hoko River archaeological complex: Modeling prehistoric Northwest coast economic evolution. *Research in Economic Anthropology. Supplement 3*, 19-85. Keywords: Indians, Physt, economy, fish.
- 1524a Waples, R.S. 1990. Conservation genetics of Pacific salmon. II. Effective population size and the rate of loss of genetic variability. *The J. of Heredity.* 81:4 267-276.
- 1524b Waples, R.S. 1990. Conservation genetics of Pacific salmon. III. Estimating effective population size. *The J. of Heredity.* 81:4 277-289.
- 1524c Waples, R.S. and D.J. Teel. 1990. Conservation genetics of Pacific salmon. I. Temporal changes in allele frequency. *Conservation Biology*, 4:2 144-156.
- 1525 Waples, R.S. 1991. Definition of "species" under the endangered species act: application to Pacific salmon. U.S. Department of Commerce, National Marine Fisheries Service, NOAA Tech. Memo. NMFS F/NWC-194, 29 p.
- 1526 Pavel, J. 1987. Hood Canal and Strait of Juan De Fuca Spring Chinook. Unpublished manuscript and data tables, Northwest Indian Fisheries Commission, Olympia, WA.
- 1527 Nawa, R.K., C.A. Frissell, and W.J. Liss. 1988. Life history persistence of anadromous fish stocks in relation to stream habitats and watershed classification. Oak Creek Laboratory of Biology, Oregon State University, Corvallis, 37 p.
- 1528 Rasch, T. and R. Foster. 1978. Hatchery returns and spawning data for Strait of Juan De Fuca and coast, 1960-1976. Washington Department of Fisheries, Progress Report No. 60, 18 p.

- 1529 Shepard, Bruce G. 1989. Proceedings of the 1988 Northeast Pacific Chinook and Coho Salmon Workshop. Ed. B.C. Ministry of Environment, Penticton, B.C.
- 1530 Reiser, D.W. and T.C. Bjornn. 1979 Influence of forest and rangeland management on anadromous fish habitat in Western North America: Habitat requirements of anadromous salmonids. U.S Forest Service, PNW Forest and Range Experiment Station, Gen Tech Rept PNW-96.
- 1531 Clark, G.H. 1929. Sacramento-San Joaquin salmon (*Oncorhynchus tshawytscha*) fishery of California. Division of Fish and Game of California, Fish Bulletin No. 17, 65 p.
- 1532 International North Pacific Fisheries Commission. 1979. Historical catch statistics for salmon on the North Pacific Ocean. 6640 NW Marine Drive, Vancouver, Canada, Bulletin No. 39, 166 p. Filed on bookshelves with all other INPFC reports.
- 1533 International North Pacific Fisheries Commission. 1992. Distribution and origins of steelhead trout (*Oncorhynchus mykiss*) in offshore waters of the North Pacific Ocean. 6640 NW Marine Drive, Vancouver, Canada, Bulletin No. 51, 92 p. Filed on book shelf with other INPFC bulletins.
- 1534 Jacobs, S.E. 1986. Oregon coastal salmon spawning survey, 1985.
- Unpublished report and data, Oregon Department of Fish and Wildlife, Portland, OR.
- 1535 Frissell, C.A. and W.J. Liss. 1986. Classification of stream habitat and watershed systems in South Coastal Oregon. Progress Report, to Oregon Department of Fish and Wildlife, Portland, OR. 50 p.
- 1536 Newcomb, H.R. 1943. A second preliminary report on investigations made on Rogue River and its tributaries. Oregon State Game Commission, Portland, OR 76 p.
- 1537 Zimmerman, B.C., G.A. James, B. Duke and Ken Witty. 1991. Trapping and transportation of adult and juvenile salmon in the lower Umatilla River in Northeast Oregon, 1990-1991. Project No. 88-022, Oregon Department of Fish and Wildlife and Confederated Tribes of the Umatilla Indian Reservation. 40 p.
- 1538 Gerrodette, T. 1987 A Power Analysis for detecting trends. Ecology,

68:5 1364-1372.

- 1539 Serafin, Rafal. Rehabilitating Great Lakes integrity in times of surprise. Faculty of Environmental Studies, Univ. of Waterloo, Waterloo, Ontario, Canada 45-...
- 1540 Nickelson, T.E., W.M. Beidler. and M.J. Willis. 1979 Streamflow requirements of salmonids. Federal Aid Progress Report, Fisheries, Research and Development Section, ODFW, 30 p.
- 1541 Frissell, C.A. and R. Nawa. 1986 (draft) Stream and land systems classification: Its role in habitat enhancement planning and evaluation. Presented at Stream Habitat Enhancement Evaluation Technical/Training Workshop, Oct. 21-23, 1986, Portland, OR 24 p.
- 1542 Everest, F.H. 1973 Ecology and management of summer steelhead in the Rogue River. Fishery Research Report No. 7, Ore. State Game Comm. 48 p.
- 1543 Fustish, C.A., S.E. Jacobs, B.P. McPherson, and P.A. Frazier. 1988. Effects of Applegate Dam on the biology of anadromous salmonids in the Applegate River. Report to the U.S. Army Corps of Engineers, Portland District, 106 p.
- 1544 Loch, J.J., S.A. Leider, M.W. Chilcote, R. Cooper, and T.H. Johnson. 1988. Differences in yield, emigration-timing, size, and age structure of juvenile steelhead from two small western Washington streams. Calif. Fish and Game 74:2 106-118.
- 1545 Withler, I.L. 1966. Variability in life history characteristics of steelhead trout (*Salmo gairdneri*) along the Pacific coast of North America. J. Fish. Res. Bd. Can. 23:3 365-393.
- 1546 Cohen, J. 1988. Statistical Power Analysis for the Behavioral Sciences. Second Edition. Chapter 1. Lawrence Erlbaum Assoc. Publishers, New Jersey.
- 1547 Green, R.H. 1989. Power analysis and practical strategies for environmental monitoring. Environmental Research, 50: 195-205.
- 1548 Rotenberry, J.T. and J.A. Wiens. 1985. Statistical power and analysis and community-wide patterns. Am. Nat. 125: 164-168.
- 1549 Miringoff, Marc. 1992. Social problems on rise, U.S. health check shows child abuse increases, and poor get poorer. Seattle-Post Intelligencer, Jan

- 14, 1992. Also 1991. The Index of Social Health measuring the social well-being of the nation. Special Section: The Social Health of America's Cities.
- 1550 McIntyre, J.D. and R.R. Reisenbichler. 1986. A model for selecting harvest fraction for aggregate populations of hatchery and wild anadromous salmonids. *Fish Culture in Fisheries Management. Proceedings of a symposium on the Role of Fish Culture in Fisheries Management at Lake Ozark, Missouri. March 31-April 3, 1985.* R.H. Stroud, Editor. 189 p.
- 1551 Toft, C. A. and P.J. Shea. 1983. Detecting community-wide patterns: Estimating power strengthens statistical inference. *The Am. Naturalist*, 122:5 618-625.
- 1552 Hughes, R.M. and J.R. Gammon. 1987. Longitudinal changes in fish assemblages and water quality in the Willamette River, Oregon. *Trans. Am. Fish. Soc.* 116:2 196-209.
- 1553 Quinn, J.F. and A.E. Dunham. 1983. On hypothesis testing in ecology and evolution. *The Am. Naturalist*, 122:5 602-617.
- 1554 Shurlbert, S.H. 1984. Pseudoreplication and the design of ecological field experiments. *Ecology* 54:2 187-211.
- 1555 Peterman, R.M. 1989. Application of statistical power analysis to the Oregon coho salmon (*Oncorhynchus kisutch*) problem. *Can. J. Fish. Aquat. Sci.* 46: 1183-1187.
- 1556 Peterman, R.M. 1990. Statistical power analysis can improve fisheries research and management. *Can. J. Fish. Aquat. Sci.* 47:1 2-15.
- 1557 McIsaac, D.O. and T.P. Quinn. 1988. Evidence for a hereditary component in housing behavior of chinook salmon (*Oncorhynchus tshawytscha*). *Can. J. Fish. Aquat. Sci.* 45:2201-2205.
- 1558 Peterman, R.M. 1987. Review of the components of recruitment of Pacific Salmon. *Am. Fish. Soc. Symposium* 1:417-429.
- 1559 Klinge, R. 1990. Quality of spawning gravels in North Olympic Peninsula Streams. A report to the fisheries sub-committee of the Pysht drainage cumulative effects group.
- 1560 Hankin, D.G. and G.H. Reeves. 1988. Estimating total fish abundance and total habitat area in small streams based on visual estimation methods.

- Can. J. Fish. Aquat. Sci. 45: 834-844.
- 1561 Platts, W.S., R.J. Torquemada, M.L. McHenry, and C.K. Graham. 1989. Changes in salmon spawning and rearing habitat from increased delivery of fine sediment to the south Fork Salmon River, Idaho. *Trans. Am. Fish. Soc.* 118: 274-283.
- 1562 Cederholm, C.J., L.M. Reid, and E.O. Salo. 1980. Cumulative effects of logging road sediment on salmonid populations in the Clearwater River, Jefferson County, Washington. Presented to the conference: Salmon-Spawning Gravel: A renewable resource in the Pacific Northwest, Oct. 6-7, 1980. Industrial Forestry Assoc., Portland, OR, 35 p.
- 1563 Hall, J.D. and R.L. Lantz. Effects of logging on the habitat of coho salmon and cutthroat trout in coastal streams. Technical paper No. 2570, Oregon Ag. Exp. Station. 355-375.
- 1564 Fish, F.F. and M.G. Hanavan. 1948 A report upon the Grand Coulee fish-management project 1939-1947. Fish and Wildlife Service, Washington, D.C. Special Scientific Report No. 55.
- 1565 Walters, C.J. and C.S. Holling. 1990. Large-scale management experiments and learning by doing. *Ecology* 71(6), 2060-2068.
- 1566 Hutchings, J.A. 1991. The threat of extinction to native populations experiencing spawning intrusions by cultured Atlantic salmon. *Aquaculture*, 98: 119-132.
- 1567 Tacha, T.C., W.D. Warde, and K.P. Burnham. 1982. Use of interpretation of statistics in wildlife journals. *Wildl. Soc. Bull.* 10: 335-362.
- 1568 Cupp, C.E. 1989. A guide to identify valley segment types in forested lands of Washington. College of Fishery and Ocean Sciences, U. of Wash., Proposal submitted to TFW Ambient Monitoring Committee.
- 1569 Cupp, C.E. 1989. Stream cooridor classification for forested lands of Washington. State of Wash. TFW Ambient Monitoring Program. Hosey & Assoc. Engineering Co., 2820 Northup Way, Bellevue, WA 98004.
- 1570 Beechie, T.J. and T.H. Sibley. 1989. Evaluation of the TFW stream classification system: Stratification of physical habitat area and distribution. Center for Streamside Studies and Fisheries Research Inst., U. of Wash. 61 p.
- 1571 Fleming, I.A. and M.R. Gross. 1989. Evolution of adult female life

- history and morphology in a Pacific salmon (coho: *Oncorhynchus kisutch*). *Evolution*, 43:1 141-157.
- 1572 Reisenbichler, R.R. and J.D. McIntyre. 1986. Requirements for Integrating Natural and Artificial Production of anadromous salmonids in the Pacific Northwest. *Fish Culture in Fisheries Management. Proceedings of a symposium on the Role of Fish Culture in Fisheries Management at Lake Ozark, Missouri. March 31-April 3, 1985. R.H. Stroud, Editor. 189 p.*
- 1573 Brooks, Harvey. 1973 Technology assessment as a process. *Int. Soc. Sci. J.* XXV:3
- 1574 Jassby, A.D. and T.M. Powell. 1990. Detecting changes in ecological time series. *Ecology*, 71:6 2044-2052.
- 1575 Withler, R.E. and T.P.T. Evelyn. 1990. Genetic variation in resistance to bacterial kidney disease within and between two strains of coho salmon from British Columbia. *Trans. of Am. Fish. Soc.* 119: 1003-1009.
- 1576 Cramer, S. 1992. Northwest Oregon salmon and steelhead production facilities. Genetic risk assessment of the Umatilla River component. Report Prepared for Nez Perce and Umatilla Tribes. 163 p.
- 1577 DeLoach, D.B. 1939. The salmon canning industry. *Oregon State Monographs. Economic Studies No. 1., Oregon State College, Corvallis, OR* 118 p.
- 1578 Wagner, Harry. 1992. Action on Hood River Master Plan. Northwest Power Planning Council, Memo April 1, 1992.
- 1579 Wahle, R.J. and R.R. Vreeland. 1978. Bioeconomic contribution of Columbia River hatchery fall chinook salmon, 1961 through 1964 broods, to the Pacific Salmon fisheries. *Fishery Bulletin* 76:1 179-208.
- 1580 Klassen, H.D. and T.G. Northcote. 1988. Use of Gabion weirs to improve spawning habitat for pink salmon in a small logged watershed. *N. Am. J. of Fish. Management* 8: 36-44.
- 1581 Spranger, M.S. and R.S. Anderson. 1988. *Columbia River Salmon. Washington Sea Grant, Marine Adv. Services. 11 p.*
- 1582 Barron, J.C. and G. Thorgaard. 1991. *Salmon and the Columbia River System. PNW Extension Publication, PNW 362, 9 p.*

- 1583 Hamilton, J.R., M. Martin, and K. Casavant. The effect of lower Snake River Reservoir drawdown on barge transportation: Some observations. PNW 406, 11 p.
- 1584 University Task Force on Salmon and the Columbia River System. 1992. Alternative actions for restoring and maintaining salmonid populations on the Columbia River system. PNW 407. 46 p.
- 1585 Platts, W.S., C. Armour, G.D. Booth, M. Bryant, J.L. Bufford, P. Cuplin and others. 1987. Methods for evaluating riparian habitats with applications to management. General Technical Report INT-221, USDA Forest Service. 177 p.
- 1586 Pacific Northwest Agricultural Situation and Outlook. Salmon recovery and implications for agriculture.
- 1587 A review of research directed toward improving management of coho salmon stocks in Southeast Alaska. 1982 (See cover memo from Steve Lewis.)
- 1588 Tollefson, Gene. 1992. The returning hosts. Keywords: Competing uses of Columbia/Snake River system. Soil and Water Conservation Society of America, Richland, WA.
- 1589 Quinn, T.P., R.S. Nemeth, and D.O. McIsaac. 1991. Homing and straying patterns of fall chinook salmon in the Lower Columbia River. Trans. Am. Fish. Soc. 120: 150-156.
- 1590 Oregon State Planning Board. 1938. A study of commercial fishing operations on the Columbia River. Report submitted to the Governor of Oregon. 39 p.
- 1591 Sanford, F.B. 1971. Use of abstracts and summaries as communication devices in technical articles. U.S. Dept. of Commerce, NOAA. Circular 349.
- 1592 Gaino, L.M., L.D. Calvin, and C.B. Pereira. 1986. Estimating coho salmon escapement in Oregon coastal streams. Project funded by ODFW.
- 1593 Gordon, H.S. 1953. An economic approach to the optimum utilization of fishery resources. J. Fish. Res. Bd. Can. 10:7 442-457.
- 1594 Trainer, F.E. 1990. Environmental significance of development theory.

- Ecological Econ. 2: 277-286.
- 1595 Abernethy, V. 1991. How Julian Simon could win the bet and still be wrong. *Population and Environment*. 13:1 3-7.
- 1596 Knight, F.H. Some fallacies in the interpretation of social cost. *Q. J. of Economics* 582-606.
- 1597 Schaefer, M.B. 1957. Some considerations of population dynamics and economics in relation to the management of the commercial marine fisheries. *J. Fish. Res. B. Can.* 14:5 669-681.
- 1598 Friend, A.M. and D.J. Rapport. 1991. Evolution of macro-information systems for sustainable development. *Ecological Economics*, 3: 59-76.
- 1599 Gordon, H.S. The economic theory of a common-property resource: The fishery. Reference Unknown. 124-142.
- 1600 Christensen, P.P. 1989. Historical roots for ecological economics—biophysical versus allocative approaches. *Ecological Economics* 1: 17-36.
- 1601 Edwards, S.F. 1991. A critique of three “Economics” arguments commonly used to influence fishery allocations. *N. Am. J. of Fish. Management*, 11:2 121-130.
- 1602 Quammen, David Dirty word, clean place. *Outside*, August 1991. 25-28.
- 1603 Robbins, Jim. 1991. Tourism trap: The Californication of the American West. *Utne Reader*, July/August, 88-97.
- 1604 Riggs, L.A. 1990. Conserving genetic resources on-site in forest ecosystems. *Forest Ecology and Management*, 35: 45-68.
- 1606 Davis, B. (Genetic Policy Review Team). 1985. Genetic Policy. Alaska Department of Fish and Game. 25 p.
- 1607 Beacham, T.D. and C.B. Murray. 1990. Temperature, egg size, and development of embryos and alevins of five species of Pacific salmon: A comparative analysis. *Trans. of the Am. Fish. Soc.* 119:6 927-941.
- 1608 Beacham, T.D., R.E. Withler, C.B. Murray, and L.W. Barner. 1988. Variation in body size, morphology, egg size, and biochemical genetics of pink salmon in British Columbia. *Trans. Am. Fish Soc.* 117:2 109-125.
- 1609 Bailey, J.K. and R.L. Saunders. 1984. Returns of three year-classes of

- sea-ranched Atlantic salmon of various river strains and strain crosses. *Aquaculture*, 41: 259-270.
- 1610 Jorstad, K.E. 1990. Genetic studies of farmed fish: Genotype x environment interaction and genetic effects of native gene pools. In R.L. Saunders, Ed. *Proceedings of Canada-Norway Finfish Aquaculture Workshop*, Sept. 11-14, 1989, 41-47.
- 1611 Gausen, D. and V. Moen. 1991. Large-scale escapes of farmed Atlantic Salmon (*Salmo salar*) into Norwegian Rivers threaten natural populations. *Can. J. Fish. Aquat. Sci.* 48: 426-428.
- 1612 Ruzzante, D.E. 1991. Variation in agonistic behaviour between hatchery and wild populations of fish: A comment on Swain and Riddell (1990).
- 1612A Swain, D.P. 1991. Domestication and agonistic behaviour in coho salmon: Reply to Ruzzante. *Can J. Fish. Aquat. Sci.* 48: 519-522.
- 1613 Egidiu, E., L.P. Hansen, B. Jonsson, and G.Naevdal. 1991. Mutual impact of wild and cultured Atlantic salmon in Norway. *J. Cons. Int. Explor. Mer.* 47: 404-410.
- 1614 Wohlfarth, G.W. 1986. Decline in natural fisheries—A genetic analysis and suggestion for recovery. *Can. J. Fish. Aquat. Sci.*, 43: 1298-1306.
- 1615 Washington Forest Practices Board. 1988. *Washington Forest Practices Rules and Regulations*. Olympia, WA 27 p.
- 1616 DeBonis, Jeff. 1989. Let's rethink how we manage the forests. *High Country News*, June 5, 1989.
- 1617 Greeley, W.B., U.S. Dept. of Agriculture, The Forest Service. 1920. Timber depletion, lumber prices, lumber exports, and concentration of timber ownership. *Report on Senate Resolution 311*. 69 p.
- 1618 Downing, J. 1983. *The coast of Puget Sound: Its processes and development*. Washington Sea Grant Publication, U. of Washington Press.
- 1619 Garrod, D.J. and J.M. Colebrook. 1978. Biological effects of variability in the North Atlantic Ocean. *Rapp. P-v. Reun. Cons. Int. Explor. Mer.* 173: 128-144.
- 1620 Small, L.F. and D.W. Menzies. 1981. Patterns of primary productivity and biomass in a coastal upwelling region. *Deep-Sea Res.* 28A: 123-149.

- 1621 Ryther, J.H. IV. Biological Oceanography. CHAPTER 17. Geographic variations in productivity. 347-380.
- 1622 Lagler, K.F. 1949. Studies in freshwater fishery biology. J.W. Edwards, Ann Arbor, Michigan. 231 p.
- 1623 International North Pacific Fisheries Commission. 1955. Foerster, R.E. The Pacific salmon of the Canadian Pacific coast. 1-56. Also, On the salmon in waters adjacent to Japan 57-92. C.E. Atkinson. A brief review of the salmon fishery in the Aleutian Island area. 93-104.
- F.H.C. Taylor. The Pacific herring along the Pacific Coast of Canada. 105-128.
- J.P. Tully. Oceanography along the Canadian Pacific coast. 129-138.
- 1624 Belford, D.L. 1978. Simulation of coho smolt predation on pink and chum fry. The importance of relative size and growth rate. M.S. Thesis, Dept. of Zoology, U. of British Columbia, 167 p.
- 1625 Kruse, G.H. and A.V. Tyler. 1983. Simulation of temperature and upwelling effects on the English sole spawning season. Can J. Fish. Aquat. Sci. 40:2 230-237. Oregon State University, Sea Grant College Program, Pub. No. ORESU-R-83-002.
- 1626 Kreuz, K.F., A.V. Tyler, G.H. Druse, and R.L. Demory. 1982. Variation in growth of Dover soles and English soles as related to upwelling. Trans. A. Fish. Soc. 111: 180-192.
- 1627 Laroche, J. Lyczkowski, S.L. Richardson. 1979. Winter-spring abundance of larval English sole, *Parophrys vetulus*, between the Columbia River and Cape Blanco, Oregon during 1972-1975 with notes on occurrences of three other pleuronectids. Estuarine and Coastal Marine Science, 8: 455-576.
- 1628 Husby, D.M. and G.R. Seckel. 1975. Large-scale air-sea interactions at ocean weather station V, 1951-71. NOAA Tech. Rept. NMFS SSRF-696, 47 p.
- 1629 Quast, J.C. and E.L. Hall. 1972. List of fishes of Alaska and adjacent waters with a guide to some of their literature. NOAA Tech. Report NMFS SSRF-658. 47 p.
- 1630 Fleming, R.H. 1955. Review of the oceanography of the Northern Pacific. International North Pacific Fisheries Commission. Bulletin No. 2. Vancouver, B.C. 43 p.

- 1631 Hreha, L.H. 1974. Oregon albacore tuna fishery statistics, 1968-72. Fish Commission of Oregon Data Report Series. No. 5, 120 p.
- 1632 Smith, G.B. and ,R.G. Bakkala. 1982. Demersal fish resources of the eastern Bering Sea: Spring 1976. NOAA Tech. Report NMFS-754, 129 p.
- 1633 Sund, P.N. 1981. Tunas, oceanography and meteorology of the Pacific, an annotated bibliography, 1950-78. NOAA Tech. Report NMFS SSRF-744, 121 p.
- 1634 Forrester, C.R., R.G. Bakkala, K. Okada, and J.E. Smith. 1983. Groundfish, shrimp, and herring fisheries in the Bering Sea and Northeast Pacific—Historical catch statistics, 1971-1976. International North Pacific Fisheries Commission Bulletin No. 41, 100 p. Filed on book shelves
- 1635 Pittock, H.L., W.E. Gilbert, A. Huyer, and R.L. Smith. 1982. Observations of sea level, wind and atmospheric pressure at Newport, Oregon 1967-1980. OSU School of Oceanography, Data Report 98, 158 p.
- 1636 MacCall, A.D., H.W. Frey, D.D. Huppert, E.H. Knaggs, J.A. McMillan, and G.D. Stauffer. 1980. Biology and economics of the fishery for jack mackerel in the Northeastern Pacific. Southwest Fisheries Center, NOAA Tech. Memorandum NMFS, NOAA-TM-NMFS-SWFC-4, 79 p.
- 1637 Messersmith, J.D. 1969. The northern anchovy and its fishery 1965-1968. California Dept. of Fish and Game, Fish Bulletin 147, 102 p.
- 1638 Waldron, K.D. 1972. Fish larvae collected from the Northeastern Pacific Ocean and Puget Sound during April and May 1967. NOAA Tech. Report NMFS SSRF-663.
- 1639 Chester, A.J. 1978. Microzooplankton in the surface waters of the Strait of Juan de Fuca. NOAA Technical Report ERL 403-PMEL 30. 26 p.
- 1640 Granfeldt, E. 1979. Estimation of vulnerability, availability, and catchability factors and exploitable biomasses in the Bering Sea and Western Gulf of Alaska. A comparison of exploitable biomasses as estimated in exploratory fishing, fisheries management plans, and as computed with PROBUB ecosystem model. NWAFRC Processed Rept 79-12, 24 p.
- 1641 Laevastu, T. and F. Favorite. 1979. Holistic simulation models of shelf seas ecosystems. NWASFC Processed Report 79-11, 48 p.

- 1642 Laevastu, T. and F. Favorite. 1977. Minimum sustainable biomasses of marine ecological groups off central and northern California, Oregon, Washington, and Vancouver Island Coasts. NW & Alaska Fisheries Center Processed Report, 60 p.
- 1643 Granfeldt, E. 1980. Notitiae Collati: Pertaining to biomass based fisheries ecosystem simulation models. NW and Alaska Fisheries Center, NWAFC Processed Report 80-1, 116 p.
- 1644 Laevastu, T. and F. Favorite. 1976. Evaluation of standing stocks of marine resources in the eastern Bering Sea. NW and Alaska Fisheries Center Processed Report, 35 p.
- 1645 Granfeldt, E. 1979. Marine ecosystem simulation for fisheries management. NW and Alaska Fisheries Center, NWAFC Processed Report 79-10, 21 p.
- 1646 Archibald, C.P., W. Shaw and B.M. Leaman. 1981. Growth and mortality estimates of rockfishes (Scorpaenidae) from B.C. Coastal waters, 1977-1979. Can. Tech. Rept. of Fish. and Aquat. Sci, No. 1048, 57 p.
- 1647 Hanna, S., K.H. Im, and L.O. Rogers. 1980. Exploring conflicts in the use of the oceans resources. OSU Sea Grant College Program, ORESU-U-79-001.
- 1648 Laevastu, T. and F. Favorite. 1976. Dynamics of pollock and herring biomasses in the Eastern Bering Sea. An introductory study of fluctuations of pollock and herring stocks using preliminary 8-component dynamic numerical marine ecosystem model.) NW and Alaska Fisheries Center Processed Report, 50 p.
- 1650 Langton, R.W. 1982. Diet overlap between Atlantic cod, *Gadus Morhua*, silver hake, *Merluccius bilinearis*, and fifteen other Northwest Atlantic finfish. Fisheries Bulletin 80:4 745-759.
- 1651 Pearcy, W.G. and S.S. Myers. 1974. Larval fishes of Yaquina Bay, Oregon: A nursery ground for marine fishes? Fisheries Bulletin 72:1, 201-213.
- 1652 Sardines and "Substitute Sardines"
- 1653 Tate, M.W. and Clelland Upwelling indices and annual catches of Dungeness Crab, *Cancer magister*, along the west coast of the United States.

- 1654 Miller, D.J. Anchovy. Progress Report 1, apr 1955 to Jun 1956.
- 1655 Methot, R.D., Jr. and D. Kramer. 1979. Growth of Northern anchovy, *Engraulis Mordax*, larvae in the sea. Fishery Bulletin 77:2 413-423.
- 1656 MacCall, A.D. Anchovy biomasses from 1951 to 1981: A reinterpretation based on egg production. Calif. Dept. Fish and Game. Unpublished report.
- 1657 Sette, O.E. Consideration of midocean fish production as related to oceanic circulatory systems. J. of Marine Research.
- 1658 Loukashkin, A.S. 1970. On the Diet and feeding behavior of the northern anchovy, *Engraulis mordax* (Girard). Proceedings of the California Academy of Sciences, XXXVII:13 419-458.
- 1659 Tyler, A.V., W.L. Gabriel, and W.J. Overholtz. 1981. Adaptive management based on structure of fish assemblages of northern continental shelves. Technical Paper No. 5546, OSU Agricultural Experiment Station.
- 1660 Radovich, J. 1961. Relationships of some marine organisms of the northeast Pacific to water temperatures: Particularly during 1957 through 1959. California Dept. of Fish and Game Fish Bulletin, No. 112. 62 p.
- 1661 Winters, G.H. 1976. Recruitment mechanisms of southern Gulf of St. Lawrence Atlantic herring (*Clupea harengus harengus*). J. Fish. Res. Bd. Can. 33: 1751-1763.
- 1662 Hartt, A.C. Juvenile salmonids in the oceanic ecosystem—the critical first summer. Fisheries Research Institute, College of Fisheries, U. of Wash., Contribution No. 489.
- 1663 Fisher, J.P., W.G. Pearcy, and A.W. Chung. 1984. Studies of juvenile salmonids off the Oregon and Washington coast, 1983. OSU Sea Grant Program, Reference 84-2, 29 p.
- 1664 Hansen, J.L., and J.E. Bailey. 1981 Plankton watch: An approach to understanding variations in marine survival. (With attached memos, etc.)
- 1665 Pearcy, W.G. and J.P. Fisher. Migrations of coho salmon during their first summer in the ocean. Manuscript, College of Oceanography, Oregon State University.
- 1666 SansCartier, L. and J.R. Keeley. 1981. Oceanographic atlas of Canadian

- waters: A bibliography. Marine Environmental Data Service, Tech. Rept. No. 10.
- 1667 Cooney, R.T., D. Urquhart, R. Neve, J. Hilsinger, R. Clasby and D. Barnard. 1978. Some aspects of the carrying capacity of Prince William Sound, Alaska for hatchery released pink and chum salmon fry. Inst. of Marine Sci., U. of Alaska, Sea Grant Report 78-4, 97 p.
- 1668 Nagasaki, F. 1973. Long and short-term fluctuations in the catches of coastal pelagic fisheries around Japan. Tech. Conference on Fishery Management and Development. FAO Technical Session IV. WM/D3484.
- 1669 Pruter, A.T. 1973. Development and present status of bottomfish resources in the Bering Sea. FAO Technical Session IV. WM/D4988.
- 1670 Laevastu, T. and F. Favorite. 1977. Preliminary report on dynamical numerical marine ecosystem model (Dynumes II) for eastern Bering Sea. NW and Alaska Fisheries Center Processed Report. 81 p.
- 1671 Laevastu, T. and F. Favorite. 1980. Fluctuations in Pacific herring stocks in the eastern Bering Sea as revealed by an ecosystem model. Rapp. P.-v Reun. Cons. Int. Explor. Mer. 177: 445-459.
- 1672 Laevastu, T. and F. Favorite. A study of the ocean migrations of sockeye salmon and estimation of the carrying-capacity of the North Pacific Ocean using a dynamical numerical salmon ecosystem model (NOPASA). NW and Alaska Fisheries Center, Seattle, WA (Manuscript).
- 1673 Roff, D.A. 1981. Reproductive uncertainty and the evolution of interparity: Why don't flatfish put all their eggs in one basket? Can. J. Fish. Aquat. Sci. 38: 968-977.
- 1674 Morgan, G.R., B.F. Phillips, and L.M. Joll. Stock and recruitment relationships in *Panulirus cyfnaea*, the commercial rock (spiny) lobster of western Australia. Fish. Bull. 80:3 475-486.
- 1675 Ulanowicz, R.E., M.L. Ali, A. Vivian, D.R. Heinle, W.A. Richkus, and J.K. Summers. 1982. Identifying climatic factors influencing commercial fish and shellfish landings in Maryland. Fish. Bull. 80:3 611-619.
- 1676 Harding, G.C., K.F. Drinkwater, and W.P. Vass. 1983. Factors influencing the size of American lobster (*Homarus americanus*) stocks along the Atlantic coast of Nova Scotia, Gulf of St. Lawrence, and Gulf of Maine: A new synthesis. Can. J. Fish. Aquat. Sci. 40: 168-184.

- 1677 Laevastu, T. and P. Livingston. 1980. Basic inputs to probub model for the eastern Bering Sea and western Gulf of Alaska. NW and Alaska Center, NWAFC Processed Report 80-3, 28 p.
- 1678 Trumble, R.J. 1979. Analysis of data relating to possible effects of sac-ro-e herring fishing on the abundance of bait herring. Washington Dept. of Fisheries, Progress Rept. 80, 31 p.
- 1679 Chikuni, S. 1985. The fish resources of the Northwest Pacific. FAO Fisheries Tech. Paper 266, 190 p.
- 1680 Richardson, S.L., J.L. Laroche, and M.D. Richardson. 1980. Larval fish assemblages and associations in the northeast Pacific Ocean along the Oregon coast, winter-spring 1972-1975. Esturaine and Coastal Marine Science 11: 671-699.
- 1681 Richardson, S.L., J.R. Dunn and N.A. Naplin. 1980. Eggs and larvae of butter sole, *Isopsetta isolepis* (Pleuronectidae), off Oregon and Washington. Fish. Bull. 78:2 401-417.
- 1682 Peterman, R.M. 1978. Testing for density-dependent marine survival in Pacific salmonids. J. Fish. Res. Bd. Can. 35:11 1434-1450.
- 1683 Bakun, A. 1975. Daily and weekly upwelling indices, west coast of North America 1967-73. NOAA Tech. Rept. NMFS SSRF-693, 114 p.
- 1684 Millard, S.P. 1987. Environmental monitoring, statistics, and the law: Room for improvement. The Am. Statist. Assoc. 41:4 249-253.
- 1685 Schlesinger, W.H. 1989. The role of ecologists in the face of global change. Special Feature Forest Decline, (Probably Ecology 70:1)
- 1686 Roff, D.A. 1984. The evolution of life history parameters in teleosts. Can. J. Fish. Aquat. Sci. 41: 989-1000.
- 1687 Nielsen, L.A. 1976. The evolution of fisheries management philosophy. Marine Fisheries Review 38:12 15-22.
- 1688 McHugh, J.L. and R.S. Bailey. 1957. History of Virginia's commercial fisheries. Neglected historical records throw light on today's problems. The Virginia J. of Science. January, 42-64.
- 1689 Pringle, J.D. 1985. The human factor in fishery resource management. Can. J. Fish. Aquat. Sci. 42: 389-392.

- 1690 Ryan, P.M. 1986. Lake use by wild anadromous Atlantic salmon, *Salmo salar*, as an index of subsequent adult abundance. *Can. J. Fish. Aquat. Sci.* 43:2-11.
- 1691 Lightman, A. and O. Gingerich. 1992. When do anomalies begin? *Science*, February 2, 255: 690-695.
- 1692 Thompson, W.F. The relationship between numbers spawning and numbers returning in Pacific salmon. (Reference Unknown) Symposium on Pink Salmon. 213-226.
- 1693 Larkin, P.A. and A.S. Hourston. 1964. A model for simulation of the population biology of Pacific salmon. *J. Fish Res. Bd. Can.* 21:5 1245-1265.
- 1694 Walters, C.J. 1981. Optimum escapements in the face of alternative recruitment hypotheses. *Can. J. Fish Aquat. Sci.* 38:678-689.
- 1695 Odum, H.T. 1988. Energy, environment and public policy: A guide to the analysis of systems. United Nations Environment Programme, UNEP Regional Seas Reports and Studies No. 95, 109 p.
- 1696 Tanner, J.T. 1966. Effects of population density on growth rates of animal populations. *Ecology* 47:5 733-745.
- 1697 Bernes, C., B. Giege, K. Johansson, and J. Larsson. 1986. Design of an integrated monitoring programme in Sweden. *Environmental Monitoring and Assessment* 6: 113-126.
- 1698 Larkin, P.A. Some observations on models of stock and recruitment relationships for fishes. *Rap. et Proces-Verbaux*, 164: 316-324.
- 1699 Belsky, M.H. 1984. Environmental policy law in the 1980s: Shifting back the burden of proof. *Ecology* 12:1 1-88.
- 1700 Washington Department of Fisheries. 1991. Recreational fishery enhancement plan. Progress Report Olympia, WA 30 p.
- 1701 Hilborn, R. and C.J. Walters. 1981. Pitfalls of environmental baseline and process studies. *Environmental Impact Assessment Review*, 2:3 265-278.
- 1702 Woodwell, G.M. 1989. On causes of biotic impoverishment. *Ecology*, 70:1 14-15.

- 1703 Keurs, W.J.T. and E. Meelis. 1986. Monitoring the biotic aspects of our environment as a policy instrument. *Environmental Monitoring and Assessment* 7: 161-168.
- 1704 Kapuscinski, A.R.D. 1984. A genetic fitness model for fisheries management. Ph.D. Dissertation, Dept. of Fisheries and Wildlife, OSU. 128 p.
- 1705 Ehrenfeld, D. 1991. Environmental protection: The expert's dilemma. Rept. from the Inst. for Philosophy and Public Policy. 11:2 8-12.
- 1706 Ravetz, J.R. Usable knowledge, usable ignorance: Incomplete science with policy implications. Chapter 15 in *Sustainable Development of the Biosphere*. 415-434.
- 1707 Clark, W.C. 1985. Scales of climate impacts. *Climatic change*, 7: 5-27
- 1708 Clark, W.C., D.D. Jones and C.S. Holling. 1979. Lessons for ecological policy design: A case study of ecosystem management. *Ecological modelling*, 7: 1-53.
- 1709 Lamb, B.L. 1989. Comprehensive technologies and decision-making: Reflections on the instream flow incremental methodology. *Fisheries* 14:5 12-16.
- 1710 Bliss, L.C. 1984. Ecologists need to increase their involvement in society. Fort Collins, Colorado, August 1984. 439-444.
- 1711 Godfrey, H. 1958. Comparisons of the index of return for several stocks of British Columbia salmon to study variations in survival. *J. Fish. Res. Bd. Can.* 15:5 891-908.
- 1712 Gulland, J.A. 1983. Stock assessment: Why? *FAO Fisheries Circ.* 759.
- 1713 Burd, A.C. Growth and recruitment in the herring of the southern North Sea.
- 1714 Shepherd, J.G. 1982. A versatile new stock-recruitment relationship for fisheries, and the construction of sustainable yield curves. *J. Cons. int. Explor. Mer.* 40:1 67-75.
- 1715 Chapter 11. Relation of recruitment to the size of the adult stock.
- 1716 Gulland, J.A. Can a study of stock and recruitment aid management decisions? *Management Decisions* 368-372.

- 1717 Shepard, M.P. and F.C. Withler. 1958. Spawning stock size and resultant production for Skeena sockeye. *J. Fish. Res. B. Can.* 15:5 1007-1025.
- 1718 Gregory, T. Compensation in Fish Populations: A partial bibliography.
- 1719 Garrod, D.J. The variation of replacement and survival in some fish stocks.
- 1720 Chadwick, E.M.P. 1982. Stock-Recruitment relationship for Atlantic salmon (*Salmo salar*) in Newfoundland Rivers. *Can. J. Fish. Aquat. Sci.* 39: 1496-1501.
- 1721 Peterman, R.M. 1981. Form of random variation in salmon smolt-to-adult relations and its influence on production estimates. 38:9 1113-1119.
- 1722 Rutter, Cloudsley 1902. Natural history of the Quinnat salmon. A report of investigations in the Sacramento River, 1896-1901.
- 1723 Cushing, D.H. Recruitment to the North Sea herring stocks.
- 1724 Gharrett, A.J. and S.M. Shirley. 1985. A genetic examination of spawning methodology in a salmon hatchery. *Aquaculture* 47: 245-256.
- 1725 The salmon and steelhead program of the Oregon State Game Commission. December 12, 1962.
- 1726 Copies of papers presented at the 131st Meeting of the Columbia Basin Inter-Agency Committee. 1965. Wendler, H.O. Status of fisheries and stocks - Sport fishing aspects. Washington Dept. of Fisheries. Montgomery, M.L. Status of fisheries and stocks - Sport fishing aspects. Oregon Game Commission. Collins, G.B. Progress on present programs - Report of fish passage research. Bureau of Commercial Fisheries. Pressey, R.T. Appraisal of hatcheries. Schoeneman, D. Appraisal of chinook spawning channels on the Columbia River. Wash. Dept. of Fisheries. Millenbach, C. The use of hatcheries and rearing ponds in the steelhead program in Washington. Rayner, H.J. and R.L. Garrison. The growth of juvenile salmonids in rearing ponds. Lundy, H. An editorial observation. Hutchinson, S.J. Summary and proposed actions.
- 1727 Oregon Dept. of Fish and Wildlife. 1977. Maximizing the return of salmon and steelhead to Oregon fisheries. A report to the 1977 Oregon Legislature.
- 1728 Pacific Fishery Management Council. 1991. Preseason Report 1. Stock

abundance analysis for 1991 ocean salmon fisheries. Prepared by the Salmon Technical Team.

- 1729 Solazzi, M.F., T.E. Nickelson, and S.L. Johnson. 1990. An evaluation of the use of coho salmon presmolts to supplement wild production in Oregon coastal streams. ODFW, Fishery Res. Rept. No. 10, 22 p.
- 1730 Wright, S.G. 1968. The origin and migration of... Washington's chinook and coho salmon. Washington Dept. of Fisheries, Information Booklet No. 1, 25 p.
- 1731 William, T. 1990. The spotted fish under the spotted owls. Big timber, the U.S. Forest Service, and the rape of the Northwest. Fly Rod & Reel, Jan/Feb 1990, 19-23.
- 1732 Bowhay, C. 1991. Highlights from the initial 1991 ocean salmon season assessment meeting. Northwest Indian Fisheries Commission. (with data and charts)
- 1733 Bishop, S. 1991. U.S./Canada Files: Summary of February 2-8 PSC meetings. (with data and charts)
- 1734 Mullan, J.W. 1987. Status and propagation of chinook salmon in the Mid-Columbia River through 1985. Fish and Wildlife Service, Leavenworth, WA Biological Report 87 (3), 111 p.
- 1735 Fish Commission State of Oregon. 1962. An evaluation of the status of the Columbia River summer steelhead run. 35 p.
- 1736 Fish and Wildlife Service. 1953. Statement by the Fish and Wildlife Service in response to the request, dated November 20, 1953 of Senator Styles Bridges, Chairman, Senate appropriations committee, for information on the abundance, distribution, and value of the Columbia river fish runs, the effect of dams on these runs, and certain other related information.
- 1737 Oregon Game Commission Statewide Fish and Wildlife Planning. 1972. (working document)
- 1738 Advisory Committee on Environmental Science and Technology. 1971 Environmental quality in Oregon 1971. Env. Sci. Inf. Coord., Oregon State University, Corvallis, OR. 58 p.
- 1739 Mulcahy, D.M., G.L. Tebbit, et al. 1980. The occurrence and distribution of salmonid viruses in Oregon. OSU Sea Grant College Program, ORESU-

T-80-004, 71 p.

- 1740 Northwest Power Planning Council. Columbia River Basin Fish and Wildlife Program 1987. Final Amendment Document.
- 1741 Bottom, D.L., P.J. Howell, and J.D. Rodgers. 1985. The effects of stream alterations on salmon and trout habitat in Oregon. ODFW.
- 1742 Hankin, D.G. 1987. The merits of a stock-recruitment analysis for Oregon's north coast fall chinook salmon. (draft) 10 p.
- 1743 Hankin, D.G. 1986. Chinook plan technical appendix: Application of the Ricker stock-recruitment model to chinook salmon. (draft) 14 p.
- 1744 Hankin, D.G., T. Downey, and J. Nicholas. Between year and between stock variation in reproductive attributes of two stocks of fall chinook salmon (*Oncorhynchus tshawytscha*). (probably a draft).
- 1745 Hankin, D.G., T. Downey, and J. Nicholas. Further evidence for inheritance of age of maturity in chinook salmon (*Oncorhynchus tshawytscha*). (probably a draft).
- 1746 Oregon State Game Commission. 1969. Management 70's Task Force, Recommendations.
- 1747 Oregon Dept. of Fish and Wildlife. 1977. The Trask Basin comprehensive fishery management plan 1975-1985.
- 1748 Informal Committee on Chinook and Coho. 1969. Reports by the United States and Canada on the status, ocean migrations and exploitation of Northeast Pacific stocks of chinook and coho salmon, to 1964. Volume II. Report by the Canadian Section.
- 1748b Informal Committee on Chinook and Coho. 1969. Reports by the United States and Canada on the status, ocean migrations and exploitation of Northeast Pacific stocks of chinook and coho salmon, to 1964. Volume I. Report by the United States Section.
- 1749 Hjort, R.C. and C.B. Schreck. 1982. Phenotypic differences among stocks of hatchery and wild coho salmon, *Oncorhynchus kisutch*, in Oregon, Washington, and California. Fishery Bulletin 80:1 105-118.
- 1750 Wilkinson, C.F. and D.K. Conner. 1983. The law of the Pacific salmon

- fishery: Conservation and allocation of a transboundary common property resources. *The U. of Kansas Law Review*, 32:1.
- 1751 Alverson, D.L. and G.J. Paulik. 1973. The objectives and problems of managing aquatic living resources. *FAO Technical Session I. Feb 13-23, 1973.*
- 1752 Fisheries and Marine Service, Canada. 1976. Policy for Canada's commercial fisheries. Environment Canada.
- 1753 U.S. Fish and Wildlife Service, Pacific salmon and steelhead management. Maps and charts.
- 1754 Stock Management Task Team Report. August 1984.
- 1755 Loftus, K.H. 1987. Inadequate science transfer: An issue basic to effective fisheries management. *Trans. Am. Fish. Soc.* 116: 314-319.
- 1756 Holt, S.J. and L.M. Talbot. 1978. New principles for the conservation of wild living resources. *Wildlife Monographs No. 59.*
- 1757 Kramer, Chin & Mayo, Inc. Alaska Salmon Study: Management Study.
- 1758 Gulland, J.A. 1977. Goals and objectives of fishery management. *FAO Fisheries Technical Paper No. 166.* 14 p.
- 1759 Gulland, J.A. 1968. The concept of the maximum sustainable yield and fishery management. *FAO Fish. Tech. Paper No. 70.* 13 p.
- 1760 Dill, W.A. and T.V.R. Pillay. 1968. Scientific basis for the conservation of non-oceanic living aquatic resources. *FAO Fish. Tech. Paper No. 82.* 15 p.
- 1761 Booty, W.M. 1976. The theory of resource utilization. M.S. Thesis, Dept. of Fisheries and Wildlife, Oregon State University, 33 p.
- 1762 Wandschneider, P.R. 1984. Managing river systems: Centralization versus decentralization. *Nat. Res. J.* 24: 1043-1066.
- 1763 Natural Resources Consultants. 1988. Goals, objectives, and current issues in salmon management in Oregon. 4055 21st Avenue W., Seattle, WA (Prepared for Oregon Coastal Zone Management Association, Inc.) 60 p.
- 1764 Rich, W. H. 1920. Early history and seaward migration of chinook salmon

- in the Columbia and Sacramento River. Bulletin U. S. Bureau of Fisheries 1919-1920. 75 pages.
- 1765 Rich, W.H. and H.B. Holmes. 1928. Experiments in marking young chinook salmon on the Columbia River, 1916 to 1927. Department of Commerce, Bureau of Fisheries Document No. 1047.
- 1766 Cowgill, R. A report concerning the sport vs. commercial fishing on the Rogue with pertinent information on phases of fish conservation through the river. 1927-1928.
- 1767 Wilkins, N.P. Salmon stocks: A genetic perspective. Atlantic Salmon Trout. Moulin, Pitlochry, Perthshire.
- 1768 Milner, G.B., D.J. Teel and F.M. Utter. 1983. Genetic stock identification study. Coastal Zone and Estuarine Studies, Nat. Oceanic and Atmospheric Admin., Seattle, WA 98112.
- 1769 Booke, H.E. 1968. Cytotaxonomic studies of the Coregonine fishes of the Great Lakes, USA: DNA and Karyotype analysis. J. Fish. Res. Bd. Can. 25:8 1667-1687.
- 1770a Schreck, C.B., H.W. Li, R.C. Hjort and C.S. Sharpe. 1986. Stock identification of Columbia River chinook salmon and steelhead trout. Final Report, Oregon Cooperative Fisheries Research Unit, Oregon State University, 184 p.
- 1770b Schreck, C.B., H.W. Li, R.C. Hjort and S.B. Yamada. 1984. Stock identification of Columbia River chinook salmon and steelhead trout. Annual Progress Report, Oregon Cooperative Fisheries Research Unit, Oregon State University, unnumbered.
- 1771 Platt, J.R. 1964. Strong Inference: Certain systematic methods of scientific thinking may produce much more rapid progress than others. Science, Oct. 16, 146:3642 347-352.
- 1772 Taylor, E.B. 1991. A review of local adaptation in salmonidae, with particular reference to Pacific and Atlantic salmon. Aquaculture, 98: 185-207.
- 1773 Healey, M.C. 1983. Coastwide distribution and ocean migration patterns of stream- and ocean-type chinook salmon, *Oncorhynchus tshawytscha*. The Canadian Field-Naturalist, 97: 427-433.
- 1774 McIsaac, D.O. 1990. Factors affecting the abundance of 1977-79 brood

wild fall chinook salmon (*Oncorhynchus tshawytscha*) in the Lewis River, Washington. Ph.D. dissertation, U. of Washington, 174 p.

- 1775 Miller, W.H. 1990. 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. Bonneville Power Administration and U.S. Fish and Wildlife Service, Technical Report 1990.
- 1776 Vazquez, E.G., P. Moran, and A.M. Pendas. 1991. Chromosome polymorphism patterns indicate failure of a Scottish stock of *Salmo salar* transplanted into a Spanish river.
- 1777 Kyle, G.B. and J.P. Koenings. 1988. Density-dependent, trophic level responses to an introduced run of sockeye salmon (*Oncorhynchus nerka*) at Frazer Lake, Kodiak Island, Alaska. *Can. J. Fish. Aquat. Sci.*, 45: 856-867.
- 1778 Hindar, K., N. Ryman and F. Utter. 1991. Genetic effects of cultured fish on natural fish populations. *Can. J. Fish. Aquat. Sci.*, 48: 945-957.
- 1779 Fritts, H. Tree-ring evidence for climatic changes in western North America. *Monthly Weather Review*, 93:7 421-441.
- 1780 Schulman, E. 1947. Tree-ring hydrology in southern California. *U. of Arizona Bulletin No. 4, Lab. of Tree-ring Research. Vol XVII:3* 4-36.
- 1781 Winters, G.H., J.P. Wheeler and E.L. Dalley. 1986. *J. Cons. int. Explor. Mer.*, 43: 26-42.
- 1782 Shackleton, L.Y. 1988. Scale sheeding: An important factor in fossil fish scale studies. *J. Cons. int. Explor. Mer.*, 44: 259-263.
- 1783 Rothschild, B.J., T.R. Osborn, T.D. Dickey, and D.M. Farmer. 1989. The physical basis for recruitment variability in fish populations. *J. Cons. int. Explor. Mer.*, 45: 136-145.
- 1784 Sinclair, M. and T.D. Iles. 1989. Population regulation and speciation in the oceans. *J. Cons. int. Explor. Mer.*, 45: 165-175.
- 1785 Jones, R. 1989. Towards a general theory of population regulation in marine teleosts. *J. Cons. int. Explor. Mer.*, 45: 176-189.
- 1786 Emlen, J.M., R.R. Reisenbichler, A.M. McGie, and T.E. Nickelson. 1990. Density-dependence at sea for coho salmon (*Oncorhynchus kisutch*). *J.*

- Fish. Res. Board of Canada, 47: 1765-1772.
- 1787 Smith, P.E. 1978. Biological effects of ocean variability: Time and space scales of biological response. *Rapp P.-v. Reun. Cons. int. Explor. Mer.*, 173: 117-127.
- 1788 Shepherd, J.G. and J.W. Horwood. The sensitivity of exploited populations to environmental "noise," and the implications for management. *J. Cons. int. Explor. Mer.*, 38:3 318-323.
- 1789 Smith, P.E. and R. Lasker. 1978. Position of larval fish in an ecosystem. *Rapp. P.-v. Reun. Cons. int. Explor. Mer.*, 173: 77-84.
- 1790 Conover, R.J. 1978. Feeding interactions in the pelagic zone. *Rapp. P.-v. Reun. Cons. Cons. int. Explor. Mer.*, 173: 66-76.
- 1791 Parsons, T.R., B.O. Jansson, A.R. Longhurst, and G.Saetersdal. 1978. Marine ecosystems and fisheries oceanography. *Rapp. P.-v. Reun. Cons. int. Explor. Mer.*, 173: 168-181.
- 1792 Saetersday, G. Fish resources research and fishery management: A review of nearly a century of experience in the Northeast Atlantic and some recent global perspectives. *J. Cons. int. Explor. Mer.*, 46: 5-15.
- 1793 Reddin, D.G., E.Verspoor, and P.R. Downton. 1990. An integrated phenotypic and genotypic approach to the stock discrimination of Atlantic salmon. *J. Cons. int. Explor. Mer.*, 47: 83-88.
- 1794 Pepin, P. 1990. Biological correlates of recruitment variability in North Sea fish stocks. *J. Cons. int. Explor. Mer.*, 47: 89-98.
- 1795 Willett, H.C. 1949 Long-period fluctuations of the general circulation of the atmosphere. *J. of Meteorology*, February 6: 34-35
- 1796 Cury, P. and C. Roy. 1989. Optimal environmental window and pelegic fish recruitment success in upwelling areas. *Can. J. Fish Aquat. Sci.* 46: 670-680.
- 1797 CFITC. 1992. Hatchery policies for the Columbia River Basin.
- 1798 Ware, D.M. and R.E. Thomson. 1991. What happened to biological productivity in the coastal upwelling domain int the 1920s and 1930s? *Can. J. Fish Aquat. Sci.* 48:.... (draft)
- 1799 Integrated Hatchery Operations Team. Existing Policy's Affecting

- Hatcheries. Washington Department of Fisheries. 95 p.
- 1800 Integrated Hatchery Operations Team. Existing Policy's Affecting Hatcheries. Idaho. 30 p.
- 1801 Integrated Hatchery Operations Team. Existing Policy's Affecting Hatcheries. Oregon. 34 p.
- 1802 Reisenbichler, R. 1992. Memo to Robin Waples, Subject: NMFS Draft Paper on Pacific Salmon Propagation Under ESA.
- 1803 Waples, R.S. 1990. Genetic interactions between hatchery and wild salmonids: Lessons from the Pacific Northwest. Presented at symposium entitled: Ecological and genetic implications of fish introductions." 36 p. (to be published in Can. J. Fish Aquat. Sci.)
- 1804 Thompson, G.G. 1991. Determining minimum viable populations under the Endangered Species Act. NOAA Tech. Mem. NMFS F/NWC-198. 78 p.
- 1805 Thorpe, J.E., N.B. Melcalfe, and F.A. Huntingford. 1992. Behavioural influences on life-history variation in juvenile Atlantic salmon, *Salmo salar*. *Env. Biol. of Fishes*, 33:331-340.
- 1806 Gauldie, R.W. 1991. Taking stock of genetic concepts in fisheries management. *Can. J. Fish Aquat. Sci.* 48: 722-731.
- 1807 Howe, R.W., G.D. Davis, and V. Mosca. 1991. The demographic significance of 'sink' populations. *Biol. Cons.* 57: 230-255.
- 1808 Taylor, E.B. 1986. Differences in morphology between wild and hatchery populations of juvenile coho salmon. *Prog. Fish. Culturist* 48: 171-176.
- 1809 Olson, F.W. 1978. An evaluation of factors affecting the survival of Puget Sound hatchery-reared coho salmon (*Oncorhynchus kisutch*). M.S. Thesis, College of Fisheries, U. of Washington, 72 p.
- 1810 Franklin, Jerry F. 1992. An ecologist's view of sustainability. U. of Washington College of Forest Resources. Draft - for Defining Sustainable Forestry Workshop, Feb. 24. 1992.
- 1811 Nickelson, T.E., M.F. Solazzi, S.L. Johnson, and J.D. Rodgers. 1992. Effectiveness of selected stream improvement techniques to create suitable summer and winter rearing habitat for juvenile coho salmon (*Oncorhynchus kisutch*) in Oregon coastal streams. *Can. J. Fish Aquat. Sci.* 49:4 790-794.

- 1812 Colorado-Wyoming Chapter, American Fisheries Society. Proceedings of the 16th Annual Meeting.
- 1813 McIntyre, J.D. 1983 Differentiation of anadromous salmonid stocks. U.S. Fish and Wildlife Service, Nat. Fish Res. Center, Seattle, WA 98115.
- 1814 Memo to Mario Solazzi from Jim Lichatowich. July 1, 1981. Review of report on chinook salmon planning.
- 1815 Memo to Harry Wagner from Bob Gunsolus. February 26, 1979. Salmon and steelhead management problems caused by hatchery production.
- 1816 Page, L.M. and G.S. Whitt. 1973. Lactate dehydrogenase isozymes of darters and the inclusiveness of the genus percina. Illinois Nat. Hist. Survey, Urbana, IL, Biol. Notes No. 82.
- 1817 Hankin, D.G. 1982. Estimating escapement of Pacific salmon: Marking practices to discriminate wild and hatchery fish. Trans. of Am. Fish. Soc. 111:3 286-298.
- 1818 Memo to Bill Liss, OSU, from Max Smith. Subject: Some indicators of change in stocks of Willamette spring chinook. July 2, 1986.
- 1819 Steward, C.R. and T.C. Bjornn. 1990. Supplementation of salmon and steelhead stocks with hatchery fish: A synthesis of published literature. Idaho Cooperative Fish and Wildlife Research Unit, U. of Idaho, Tech. Report 90-1.
- 1820 Willis, M.J. 1979. Out-system transfer of coho salmon stocks in coastal river systems 1960-79. Oregon Dept. of Fish and Wildlife, Portland, OR 12 p.
- 1821 Nobel, S.M. 1986 The impact of hatchery steelhead fry on wild steelhead fry when hatchery fry have prior residence. Dept. of Fisheries and Wildlife, OSU, 6 p.
- 1822 Reisenbichler, R.R. 1976. Growth and survival of juvenile hatchery and wild steelhead trout, *Salmo gairdneri*, in streams. M.S. Thesis, Dept. of Fisheries and Wildlife, OSU, Corvallis, OR 27 p.
- 1823 Alexander, G.R. 1985. Comparative growth and survival potential of brown trout from four wild stocks and one domestic stock. Michigan Dept. of Nat. Res. Fisheries Division, Fish. Res. Rept. No. 1929. 12 p.

- 1824 Seelbach, P.W. 1985. Smolt migration of wild and hatchery-raised coho and chinook salmon in a tributary of Northern Lake Michigan. Michigan Dept. of Nat. Res. Fisheries Division, Fish. Res. Rept. No. 1935, 19 p.
- 1825 Williams, T. 1988. Steelhead Factories. Haig-Brown had it right; why can't we listen? Rod & Reel July/October 1988, 17-19.
- 1826 Memo from Paul Brouha to Pat Dwyer, Dave Philipp and Bob White. Nov 4, 1988, Subject: Development of an AFS position paper concerning the value of wild fish stocks and the need to preserve genetic integrity.
- 1827 Winans, G.A. 1989 (in press N. Am. J. Fish. Mgt.) Genetic variability in chinook salmon stocks from the Columbia River Basin. Coastal Zone and Estuarine Studies Div., NW and Alaska Fisheries Center, Seattle, WA 23 p.
- 1829 Campton, D.E. and J.M. Johnston. 1985. Electrophoretic evidence for a genetic admixture of native and nonnative rainbow trout in the Yakima River, Washington. Trans. of Am. Fish. Soc. 114: 782-793.
- 1830 Petrosky, C.E. and T.C. Bjornn. 1988. Response of wild rainbow (*Salmo gairdneri*) and cutthroat trout (*S. clarki*) to stocked rainbow trout in fertile and infertile streams. Can. J. Fish Aquat. Sci. 45: 2087-2105.
- 1831 Kennedy, G.J.A. and C.D. Strange. 1986. The effects of intra- and inter-specific competition on the survival and growth of stocked juvenile Atlantic salmon, *Salmo salar* L., and resident trout, *Salmo trutta* L., in an upland stream. J. Fish. Biol. 28: 479-489.
- 1832 Griggs, J.D. 1978. Uses of catchable trout in Oregon streams with the relationship to a wild trout management plan. Ore. Dept. of Fish and Wildlife, Res. and Dev. Sec. 7 p.
- 1833 Wahl, T.R., D.G. Ainley, A.H. Benedict, and A.R. DeGrange. 1989. Associations between seabirds and water-masses in the northern Pacific Ocean in summer. Marine Biology 103: 1-11.
- 1834 Memo from Bob Lindsay to Jim Lichatowich, February 22, 1983. Subject Data requested on wild vs. hatchery chinook salmon in the Warm Springs.
- 1835 Liss, W.J., L.J. Gut, P.H. Westigard and C.E. Warren. 1986. Perspectives on arthropod community structure, organization, and development in agricultural crops. Am. Rev. Entomol. 31: 455-478.
- 1836 Harlan, J.R. 1972. Genetics of Disaster. J. Env. Quality, 1:3 212-215.

- 1837 Harlan, J.R. 1975. Our vanishing genetics resources. *Science*, 188: 618-620.
- 1838 Outdoor Indiana 1975. Article - The search for genetically superior walnut trees. Article - Stone Head - Endangered Species.
- 1839 Thompson, L.M. 1975. Weather variability, climatic change, and grain production. *Science* May, 188: 535-541.
- 1840 Bergstrom, D. 1986. Matching seed to site assists productivity. *Forestry Research West*. November 1986, 16-20.
- 1841 Silen, R.R. 1982. Nitrogen, corn, and forest genetics. The agricultural yield strategy-implications for Douglas-fir management. *PNW Forest and Range Exp. Sta. PNW-137*, 20 p.
- 1842 Allendorf, F.W. and S.R. Phelps. 1980. Loss of genetic variation in a hatchery stock of cutthroat trout. *Trans. of Am. Fish. Soc.* 109: 537-543.
- 1843 *California Agriculture*, 1977. Special issue: Germplasm. 31:9, September 1977. Keywords: collection and screening, utilization and breeding, conservation.
- 1844 Den Boer, P.J. 1968. Spreading of risk and stabilization of animal numbers. *ACTA Biotheoretica* 18: 165-193.
- 1845 Neel, J.V. 1970. Evaluation of the effects of chemical mutagens on man: The long road ahead. *Proceedings of the Nat. Academy of Sci.* 67:2 908-915.
- 1846 Lawson, T. 1985. Planning with forest succession in mind. Ignoring succession can be costly in the long run. *Forest Planning* September 1985, 12-14.
- 1847 Rifkin, J. and T. Howard. 1982. Entropy in agriculture. *NCAP News*, Spring-Summer 2-9.
- 1848 Fessler 1974. Genetic studies of Deschutes River rainbows. Oregon Cooperative Fisheries Unit.
- 1849 Jonsson, B., S. Skulason, S.S. Snorrason, O.T. Sandlund, H.J. Malmquist, P.M. Jonasson, R. Gydemo, and T. Lindem. 1988. Life history variation of polymorphic arctic charr (*Salvelinus alpinus*) in Thingvallavatn, Iceland. *Can. J. Fish Aquat. Sci.* 45: 1537-1547.

- 1850 Currens, K.P., C.B. Schreck, and H.W. Li. Phylogenetic relationships of two forms of rainbow trout (*Salmo gairdneri*) in the Deschutes River, Oregon. Oreg. Cooperative Fish. Res. Unit, Corvallis, OR.
- 1851 Currens, K. A summary of the genetic analysis of White River rainbow trout. Oreg. Cooperative Fish. Res. Unit, Corvallis, OR.
- 1852 Durrens, K.P. and S.L. Stone. A genetic comparison of rainbow trout (*Salmo gairdneri*) above and below Izee Falls in the John Day River, Oregon. Oreg. Cooperative Fish. Res. Unit, Corvallis, OR. 34 p.
- 1853 Currens, K.P. 1987. Genetic differentiation of resident and anadromous rainbow trout (*Salmo gairdneri*) in the Deschutes River, Oregon. M.S. Thesis, Dept. of Fisheries and Wildlife, OSU, 107 p.
- 1854 Thorgaard, G.H. 1983. Chromosomal differences among rainbow trout populations. COPEIA 3: 650-662.
- 1855 Cavender, T.M. 1978. Taxonomy and distribution of the bull trout, *Salvelinus confluentus* (Suckley), from the American Northwest. Calif. Fish and Game 64:3 139-174.
- 1856 Campton, D.E. and F.M. Utter. 1987. Genetic structure of anadromous cutthroat trout (*Salmo clarki clarki*) populations in the Puget Sound area: Evidence for restricted gene flow. Can. J. Fish Aquat. Sci. 44: 573-582.
- 1857 Reisenbichler, R.R. and S.R. Phelps. 1987. Genetic variation in chinook, *Oncorhynchus tshawytscha*, and coho, *O. kisutch*, salmon from the north coast of Washington. Fish. Bull. 85:4 681-701.
- 1858 Nicholas, J.W. and D.G. Hankin. Variations in distribution of juvenile chinook salmon in Oregon coastal river basins: Implications to future stock transfer practices. Manuscript.
- 1859 Wahle, R.J. 1985. A coastwide plan to identify chinook and coho salmon stocks. Pacific Marine Fisheries Commission, Portland, OR 97201, Manuscript 112 p.
- 1860 Hard, J.J., A.C. Wertheimer, and W.F. Johnson. 1989. Geographic variation in the occurrence of red- and white-fleshed chinook salmon (*Oncorhynchus tshawytscha*) in western North America. Can. J. Fish. Aquat. Sci., 46: 1107-1113.
- 1861 Currens, K.P., C.S. Sharpe, R. Hjort, C.B. Schreck, and H.W. Li. Effects

- of different feeding regimes on the morphometrics of chinook salmon (*Oncorhynchus tshawytscha*) and rainbow trout (*Salmo gairdneri*). Manuscript OSU Cooperative Fishery Research Unit, Corvallis, 9 p.
- 1862 Cramer, S.P. 1974. The heritability of resistance to gas bubble disease of Columbia River fall chinook salmon. M.S. Dept. of Fisheries and Wildlife, Oregon State University, Corvallis, 59 p.
- 1863 Shields, W.M. 1982. An advantage for inbreeding: Coadaptation and outbreeding depression. Chpt 5 in *Philopatry, Inbreeding, and the Evolution of Sex*. State Univ. of New York Press, Albany, N.Y. 66-102.
- 1864 Falconer, D.S. 1965. The inheritance of liability to certain diseases, estimated from the incidence among relatives. *Ann. Hum. Genet. London, G.B.* 29: 51-76.
- 1865 Emlen, J. Heterosis and outbreeding depression: A general model and an application to salmon production. Manuscript 35 p.
- 1866a Allendorf, F.W., N. Ryman, and F.M. Utter. 1987 Genetics and fishery management: past, present, and future. In Ryman and Utter, Ed.s, *Population Genetics and Fishery Management*. Washington Sea Grant Program, U. of Wash, Seattle. 1-18 (Chapter 1).
- 1866b Also (Chapter 14) Altukhov, Y.P. and E.A. Salmenkova Stock transfer relative to natural organization, management, and conservation of fish populations. 333-342.
- 1866c Also (Chapter 15) K. Nelson and M. Soule. Genetical conservation of exploited fishes. 345-368.
- 1867 Allendorf, F.W. Isolation, gene flow and genetic differentiation among populations. In C.M. Schonewald-Cox, S.M. Chambers, B. MacBryde, and W.L. Thomas, (Eds.) *Genetics and Conservation*, The Benjamin/Cummings Publishing Company, Inc., 51-65.
- 1868 Hirai, T. 1987. A model for understanding the influence of selective and nonselective harvest on fish populations. M.S. Dept. of Fisheries and Wildlife, Oregon State University, Corvallis, 68 p.
- 1869 Helle, J.H. Genetic considerations for salmonid aquaculture: Biological uncertainties. NW Fisheries Center Auke Bay Fisheries Laboratory. 181-189.
- 1870 Hershberger, W.K. and R.N. Iwamoto. 1984? Genetics manual and

- guidelines for the Pacific Salmon hatcheries of Washington. College of Fisheries, U. of Washington, Manuscript, 83 p.
- 1871 Hershberger, W.K. Affidavit, U.S. of America vs. State of Washington. Keywords: fish management, genetics, Evergreen Legal Services.
- 1872 Lannan, J.E. and A.R.D. Kapuscinski. 1984. Genetic guidelines for evaluation and selection of enhancement projects under the salmon and steelhead conservation and enhancement act. Dept. of Fish. and Wildl., OSU, Newport, OR, 41 p.
- 1873 Simon, R.C. Genetics and marine aquaculture. Cooperative Fishery Unit, OSU, Manuscript. Keywords: evaluation, artificial breeding, hatcheries, herity.
- 1874 Class not on gentic. Chapter 25: Breeding for threshold characteristics.
- 1875 MEG Committee, Genetics Technical Group. 1988. Background and description for genetics evaluation model (GEM).
- 1876 Suzumoto, B.K., C.B. Schreck, and J.D. McIntyre. 1977. Relative resistances of three transferrin genotypes of coho salmon (*Oncorhynchus kisutch*) and their hematological responses to bacterial kidney disease. *J. Fish Res. Bd of Can.* 34:1 1-8.
- 1877 Gould, D.M. 1981. Physiological and immunological differences among three stocks of coho salmon, *Oncorhynchus kisutch*. M.S. Dept. of Fisheries, U. of Wash., 38 p.
- 1878 Van den Berghe, E.P. and M.R. Gross. 1989. Natural selection resulting from female breeding competition in a Pacific salmon (coho: *Oncorhynchus kisutch*). *Evolution*, 43:1 125-140.
- 1879 Beacham, T.D. 1982. Fecundity of coho salmon (*Oncorhynchus kisutch*) and chum salmon (*O. keta*) in the northeast Pacific Ocean. *Can. J. Zool.* 60:1463-1469.
- 1880 Iwamoto, R.N., A.M. Saxton, and W.K. Hershberger. 1982. Genetic estimates for length and weight of coho salmon during freshwater rearing. *J. of Heredity* 73: 187-191.
- 1881 Miller, J.G. 1965 Living systems: Basic concepts. *Behavioral Science* 10:3 193-411.
- 1882 Lee, D.C. and J.B. Hyman. 1991. The stochastic life-cycle model

- (SLCM): A tool for simulating the population dynamics of anadromous salmonids. Resources for the Future, Washington, DC, and Bonneville Power Administration, 22 p.
- 1883 Northwest Power Planning Council. 1991. 1991 Northwest conservation and electric power plan: Volume I. 91-04, 51 p.
- 1884 Resources for the Future. 1988. Design of Studies for development of BPA fish and wildlife mitigation accounting policy. Project 85-87. Volume I: Modeling the anadromous fisheries of the Columbia River Basin. Prepared for Bonneville Power Administration.
- 1885 Draft summary report for Project 85-87. See #1884.
- 1886 Northwest Resource Information Center, Inc. 1982. Cogeneration of electrical energy and anadromous salmon and steelhead in the Upper Columbia River Basin: An economic perspective on the question of balance. 12 p.
- 1887 Bjornn, T.C. and J.D. McIntyre. 1985. Final report: Anadromous fish research planning. Task 4: Review of research issues. Prepared for Northwest Power Planning Council. Draft of report.
- 1888 Northwest Power Planning Council. 1991. Amendments to the Columbia River Basin Fish and Wildlife Program (Phase One). Northwest Power Planning Council 91-27.
- 1889 Northwest Power Planning Council. 1991. Amendments to the Columbia River Basin Fish and Wildlife Program (Phase Two). Northwest Power Planning Council 91-31.
- 1890 Northwest Power Planning Council. 1992. Proposed Amendments to the Columbia River Basin Fish and Wildlife Program (Phase Three). Northwest Power Planning Council 92-16.
- 1891 Habitat Improvement Work Group of the Enhancement Planning Team. 1984. Recommendations for planning, selecting and evaluating habitat improvement projects for Implementation of the salmon and steelhead conservation and enhancement act of 1980. 30 p.
- 1892 Species Interaction Work Group of the Enhancement Planning Team. 1984. Evaluation of potential species interaction effects in the planning and selection of salmonid enhancement projects for implementation of the salmon and steelhead conservation and enhancement act of 1980. 80 p.

- 1893 Idaho Fish and Game. 1985. Idaho anadromous fisheries management plan 1985-1990.
- 1894 Enhancement Planning Team. Salmon Steelhead Conservation and Enhancement Act. 1988. Salmon and steelhead management plan for the Washington Conservation Area.
- 1895 Elson, P.F. and A.L.W. Tuomi, 1975. The foyle fisheries: New basis for rational management. 211 p.
- 1896 Burke, W.T. 1982. Fisheries regulations under extended jurisdiction and international law. FAO Fish. Tech. Paper No. 223, 23 p.
- 1897 Lukus, G., and L. Korn. 1968. The feasibility of rearing sockeye salmon in reservoirs. Research Division, Fish Commission of Oregon, Final Report, 91 p.
- 1898 Canada Fisheries and Oceans, 1989. Salmonid Enhancement Program 1988-89 Update. 15 p.
- 1899 McIntyre, J.D. ? Possible evidence for collapsing stability regions for sockeye salmon in Karluk Lake, Alaska. U.S. Fish & Wildlife Service, Manuscript, Seattle, WA 11p.
- 1890 Junge, C.O. ? The effect of superimposed mortalities on reproduction curves. Unknown publication 56-63.
- 1901 McIntyre, J.D., R.R. Reisenbichler, J.M. Emlen, R.L. Wilmot, and J.E. Finn. 1988. Predation of Karluk River sockeye salmon by coho salmon and char. Fisheries Bulletin, 86:3 611-616.
- 1902 Peterman, R.M. and M. Gatto. 1978. Estimation of functional responses of predators on juvenile salmon. J. Fish. Res. Board of Canada 35:6 797-808.
- 1903 Henry, K.A. 1961. Racial identification of Fraser River sockeye salmon by means of scales and its applications to salmon management. International Pacific Salmon Fisheries Commission, Bulletin XII, 97 p.
- 1904 Bazigos, G.P. 1975. Applied Fisheries Statistics, Vectors and Matrices. FAO Fisheries Tech. Paper No. 135, Supplement 1, 34 p.
- 1905 Clutter, R.I, and L.W. Whitesel. 1956. Collection and interpretation of

- sockeye salmon scales. International Pacific Salmon Fisheries Commission, Bulletin IX, 159 p.
- 1906 Luoma, J.R. 1991. Born to be wild. In Captivity, 50-58.
- 1907 Leider, S.A. 1985. Precise timing of upstream migrations by repeat steelhead spawners. Trans. of Am. Fish. Soc. 114: 906-908.
- 1908 Kelt References List
- 1909 Johnson, W.S. 1984. Photoperiod induced delayed maturation of freshwater reared chinook salmon. Aquaculture, 43: 279-287.
- 1910 Supplementation Technical Work Group. 1988. Supplementation Research - Proposed five-year work plan. 34 p.
- 1911 Moring, J.R. 1975. The Alsea watershed study: Effects of logging on the aquatic resources of three headwater streams of the Alsea River, Oregon. Part III - Discussion and recommendations. ODFW Fishery Research Report No. 9, 24 p.
- 1912 Silen, R. 1955. Fish management and logging in Western Oregon. Talk before the Advanced Road Location and Design Course. 4 p.
- 1913 Mundy, P.R. 1991. Letter to Merritt Tuttle. Subject: Endangered Species Act, Columbia Basin salmon petitions. Keywords: Supplementation, Columbia River Inter-Tribal fish commission, Cuenco.
- 1914 Martin, I.L. 1962. Logging in West Coast watershed shows no effect on area's water yield. The Timberman May Issue. 46-48.
- 1915 Chapman, D.W. 1961. Effects of logging upon fish resources of the West Coast. J. of Forestry 60:8 533-537.
- 1916 Shortreed, K.S. and J.G. Stockner. 1983. Periphyton biomass and species composition in a coastal rainforest stream in British Columbia: Effects of environmental changes caused by logging. Can. J. Fish Aquat. Sci. 40: 1887-1895.
- 1917 Elmore, W. and R.L. Beschta. 1987. Riparian Areas: Perspectives in management. Rangelands 9:6 260-
- 1918 Maser, C. 1990. On the naturalness of natural areas: A perspective for the future. Natural Areas Journal 10:3 129-133.

- 1919 Rickert, D.A., G.L Beach, J.E. Jackson, D.M. Anderson, H.H. Hazen, and E. Suwijn. 1978. Erosion impact assessment of land management activities: Evans Creek Basin, Oregon. Oregon 208 Nonpoint Source Assessment Project, Dept. of Environmental Quality, Portland, OR
- 1920 Swanson, F.J. Geomorphology and Ecosystems. Forest: Fresh Perspectives from Ecosystem Analysis. Proceedings 40th Annual Biology Colloquium, Oregon State Univ. Press. (Ed. R. W. Waring). 159-170.
- 1921 Frissell, C. and R. Nawa 1989. Cumulative impacts of timber harvest on fisheries: "All the King's Horses and All the King's Men..." Proceedings of the Salmon and Steelhead Restoration Federation Conference, 25-26 February 1989, Arcata, CA.
- 1922 Lanka, R.P., W.A. Hubert, and T.A. Wesche. 1987. Relations of geomorphology to stream habitat and trout standing stock in small Rocky Mountain streams. Trans. of Am. Fish. Soc., 116:21-28.
- 1923 Bradbury, Bill, et al. 1986. Report of the Interim Task Force on Forest Practices. 63rd Legislative Assembly, State of Oregon.
- 1924 Stein, R.A., P.E. Reimbers, and J.D. Hall. 1972. Social interaction between juvenile coho (*Oncorhynchus kisutch*) and fall chinook salmon (*O. tshawytscha*) in Sixes River, Oregon. J. Fish. Res. Board of Canada 29: 1737-1748.
- 1925 McKernan, D.L., D.R. Johnson, and J.I. Hodges. 1950. Some factors influencing the trends of salmon populations in Oregon. Reprinted from Transactions of the Fifteenth North Am. Wildlife Conference, March 6, 7, and 9, 1950. Published by the Wildlife Management Institute, Wire Bldg., Washington, D.C. 427-449.
- 1926 Johnson, S.W., J. Heifetz, and K.V. Koski. 1986. Effects of logging on the abundance and seasonal distribution of juvenile steelhead in some southeastern Alaska streams. North Am. J. of Fisheries Management, 6: 532-537.
- 1927 Barton, D.R., W.D. Taylor, and R.M. Biette. 1985. Dimensions of riparian buffer strips required to maintain trout habitat in southern Ontario streams. North Am. J. of Fisheries Management, 5:364-278.
- 1928 Washington State, Department of Community Development. 1988. Economic impacts and net economic values associated with non-Indian salmon and sturgeon fisheries. Also see Advisory Committee/industry responses. (Same report series)

- 1929 DeLoach, D.B. 1939. The salmon canning industry. *Economic Studies*, No. 1, Oregon State System of Higher Education, Corvallis, OR 117 p.
- 1930 Cobb, J.N. 1930. Pacific salmon fisheries. Bureau of Fisheries Document No. 1092, Appendix XIII to the Report of the Commissioner of Fisheries for 1930. U.S. Gov. Printing Office, Washington, D.C. 704 p.
- 1931 Wampler, P.L. and J.L. Manuel. 1992. A test of remote site incubators using green, untreated fall chinook salmon eggs. U.S. Fish and Wildlife Service, Western Wash. Fishery Resource Office, Olympia, WA, 10 p.
- 1932 Manuel, J., R. Kolb, and K. Dimmitt. 1991. Remote site salmon egg incubation. Washington Dept. of Fisheries, Volunteer Fisheries Resource Program.
- 1933 Colby, M.E. 1990. Environmental management in development: The evolution of paradigms. World Bank Discussion Papers, Washington, D.C. 39 p.
- 1934 Lluch-Belda, D., S. Hernandez-Vazquez, D.B. Lluch-cota, C.A. Salinas-Zavala and R.A. Schwartzlose. 1992. The recovery of the California sardine as related to global change. *CalCOFI Rep.*, 33:50-59.
- 1935 Science, Research News. 1992. Unmasking a shifty climate system. *Science*, March 20, 1992 1508-1509.
- 1936 Bottom, D. 1993. Review of physical oceanography in the California current.
- 1937 Smith, P.E. and H.G. Moser. 1988. Calcofi time series: An overview of fishes. *CalCOFI Rep. Vol XXIX*: 66-78.
- 1938 Kondo, K. 1980. The recovery of the Japanese sardine: The biological basis of stock-size fluctuations. *Rapp. P-v. Reun. Cons. int. Explor. Mer.*, 177: 332-354.
- 1939 Bottom, D.L., K.K. Jones, J.D. Rodgers, and R.F. Brown. In press. Research and management in the Northern California current ecosystem. In K.Sherman, L. Alexander, and B.Gold (eds.) *Stress, mitigation, and sustainability of large marine ecosystems*. AAAS, Washington, D.C.
- 1940 Ayushin, B.N. unknown source and date. Abundance dynamics of herring populations in the seas of the Far East, and reasons for the introduction of fishery regulations. 262-269.

- 1941 Motoda, S. and Y. Hirano. unknown source and date. Review of Japanese herring investigations. 250-261. Same book as #1940 above.
- 1942 Botsfor, L.W., R.D. Methot, Jr., and J.E. Wilen. 1982. Cyclic covariation in the California king salmon, *Oncorhynchus tshawytscha*, silver salmon, *O. kisutch*, and Dungeness crab, cancer magister, fisheries. *Fish. Bull.* 80:4 791-801.
- 1943 Thomson, C., C. Scannell, and W.L. Craig. 1986. Status of the California coastal pelagic fisheries in 1985. Southwest Fisheries Center, NMFS, La Jolla, CA, Administrative Report LJ-86-18.
- 1944 MacCall, A.D. 1979. Population estimates for the waning years of the Pacific sardine fishery. *CalCOFI Rep.* Vol XX: 72-82.
- 1945 Iles, T.D., 1980. Environmental pressure and intra- and inter-year-class competition as determinants of year-class size. *Rapp. P.-v Reun. Cons. int. Explor. Mer.* 177: 315-331.
- 1946 Soutar, A. and J.D. Isaacs. 1974. Abundance of pelagic fish during the 19th and 20th Centuries as recorded in anaerobic sediment off the Californias. *Fish. Bull.* 72:2 257-273.
- 1947 Marr, J.C. 1962 (est). A model of the population biology of the Pacific sardine (*Sardinops caerulea*). 270-278 Unknown publication, see #'s 1940 and 1941.
- 1948 Bailey, K.M. 1982. The early life history of the Pacific hake, *Merluccius productus*. *Fish. Bull.* 80:3 589-598.
- 1949 Bailey, K.M., R.C. Francis, and P.R. Stevens. 1982. The life history and fishery of Pacific whiting, *Merluccius productus*. *CalCOFI Rep.* Vol XXIII: 81-98.
- 1950 Baumgartner, T.R., A. Soutar, and V. Ferreira-Bartrina. 1992. Reconstruction of the history of Pacific sardine and northern anchovy populations over the past two millennia from sediments of the Santa Barbara Basin, California. *CalCOFI Rep.*, Vol 33 24-40.
- 1951 Scarnecchia, D.L. 1981. Effects of streamflow and upwelling on yield of wild coho salmon (*Oncorhynchus kisutch*) in Oregon. *J. Fish. Res. Board of Canada* 38:471-475.
- 1952 Clark, T.W. 1992. Practicing natural resource management with a policy

- orientation. *Environmental Management*, 16:2 1-11.
- 1953 Kellert, S.R. and T.W. Clark. 1991. The theory and application of a wildlife policy framework. In W.R. Mangun (ed.), *Public Policy Issues in Wildlife Management*. Greenwood Press, New York, Ch. 2 17-36.
- 1954 A review of the literature of organizational learning: The theory of action perspective in context. Appendix.
- 1955 Warwick, D., 1975. Chapter 5 - The internal environment. In *A Theory of Public Bureaucracy*.
- 1956 Warwick, D., 1975. Chapter 4 - The external environment. In *A Theory of Public Bureaucracy*.
- 1957 Clark, T.W. 1986. Case studies in wildlife policy education. *Renewable Resources Journal*. Autumn, 11-17
- 1958 McMullin, S.L., S.R. Amend, and L.A. Nielsen. 1991. Managing information about how we are managing: Multiple perspectives on the factors that determine agency effectiveness. *Trans. 56th N.A. Wildl. & Nat. Res. Conf.* 162-168.
- 1959 Clark, T.W. Professional excellence in wildlife and natural resource organizations. *Renewable Resources Journal*, 8-13.
- 1960 Sample, V.A. and D.C. LeMaster. 1992. Assessing the employment impacts of proposed measures to protect the northern spotted owl.
- 1961 Fryer, J.K. and M. Schwartzberg. 1991. Age and length composition of Columbia Basin spring chinook salmon sampled at Bonneville Dam in 1990. *Columbia River Inter-Tribal Fish Commission, Portland, OR Technical Report 91-1*.
- 1962 Fryer, J.K., C.E. Pearson, and M. Schwartzberg. 1992. Age and length composition of Columbia basin spring chinook salmon at Bonneville Dam in 1991. *Columbia River Inter-Tribal Fish Commission, Portland, OR Tech. Rept. 92-1*.
- 1963 Bottom, D.L. 1989. Research and development of Oregon's coastal salmon stocks. *Annual Progress Report, Fish Research Project, ODFW*, 9 p.
- 1964 Doremus, H. 1991. Patching the ark: Improving legal protection of biological diversity. *Ecology Law Quarterly*, 18:2 265-334.

- 1965 Volkman, J.M. 1992. Making room: The endangered species act and the Columbia River Basin. *Environment* May, 18-43.
- 1966 Rich, Willis H. A survey of the Columbia River and its tributaries with special reference to the management of its fishery resources. Special Scientific Report No. 51, USDI, Fish and Wildlife Service. 24 p.
- 1967 Berry, Wendel. 1992. Conservation is good work. *The Amicus Journal*. Winter, 33- 36.
- 1968 Pinkerton, E. 1991. Locally based water quality planning: Contributions to fish habitat protection. *Can. J. Fish Aquat. Sci.* 48:1326-1333.
- 1969 Fish hint at temperate biodiversity threat.
- 1970 Scofield, N.B. 1913. The towing of salmon and steelhead fry from Sacramento to the sea in a "live car." State of Calif. Fish and Game Commission, Fish Bulletin No. 1.
- 1971 Waples, R.S. 1989. Temporal variation in allele frequencies: Testing the right hypothesis. *Evolution*, 43:6 1236-1251.
- 1972 Reid, L.M. and T. Dunne. 1984. Sediment production from forest road surfaces. *Water Resources Res.* 20:11 1753-1761.\
- 1973 Ainley, D.G., H.R. Huber, and K.M. Bailey. 1981. Population fluctuations of California sea lions and the Pacific whiting fishery off central California. *Fishery Bulletin* 80:2 253-258.
- 1974 Nicholas, J.W. and D.G. Hankin. 1989. Chinook salmon in Oregon coastal river basins: A review of contemporary status and the need for fundamental change in fishery management strategy. Presented at Wild Trout IV, Yellowstone National Park, Sept. 18-19, 1989.
- 1975 Methot, R.D. 1989. Synthetic estimates of historical abundance and mortality for northern anchovy. *Am. Fish. Soc. Symposium* 6:66-82.
- 1976 Walters, C.J., R. Hilborn, R.M. Peterman, and M.J. Staley. 1978. Model for examining early ocean limitation of Pacific salmon production. *J. Fish. Res. Board Can.* 35: 1303-1315.
- 1977 Barnes, J.T., L.D. Jacobson, A.D. MacCall, and P. Wolf. 1992. Recent population trends and abundance estimates for the Pacific sardine (*sardinops sagax*). *CalCOFI Rep.*, Vol 33: 60-74.

- 1978 Wolf, P. 1992. Recovery of the Pacific Sardine and the California Sardine fishery. CalCOFI Rep., Vol 33: 76-86.
- 1979 Murphy, G.L. 1966. Population Biology of the Pacific Sardine (*Sardinops caerulea*). Proceedings of the California Academy of Science. Fourth Series, 1-84.
- 1980 Francis, R.C., G.A. McFarlane, A.B. Hollowed, G.L. Swartzman, W.M. Getz. 1984. Status and management of the Pacific hake (*Merluccius productus*) resource and fishery off the west coast of the United States and Canada. National Marine Fisheries Service, NWAFC Processed Report 84-18, 59 p.
- 1981 Honkalehto, T. 1984. Estimation of the salmon carrying capacity of the North Pacific Ocean. Prepared for the NMFS, by Compass Systems, Inc., Seattle, WA 23 p.
- 1982 Waples, R.S. and P.B. Aebersold. 1990. Treatment of data for duplicated gene loci in mixed-stock fishery analysis. Can J. of Fish. and Aquat. Sci. 47:11 2092-2098.
- 1983 Flint, T. 1977. Juvenile coho population estimates determined by electrofishing in 12 Puget Sound streams August-October 1976. State of Washington, Department of Fisheries, Progress Report No. 32.
- 1984 Johnson, O.W., T.A. Flagg, D.J. Maynard, G.B. Milner, and F.W. Waknitz. 1991. Status review for Lower Columbia River coho salmon. National Marine Fisheries Service, Seattle, WA, 96 p.
- 1985 Johnson, S.L., M.F. Solazzi, and T.E. Nickelson. 1990. Effects of survival and homing of trucking hatchery yearling coho salmon to release sites. N. Am. J. of Fish. Management. 10:4 427-433.
- 1986 Chatters, J.C., D.A. Neitzel, M.J. Scott, and S.A. Shankle. 1991. Potential impacts of global climate change on Pacific Northwest spring chinook salmon (*Oncorhynchus tshawytscha*): An exploratory case study. N.W. Env. J., 7:1 71-91.
- 1987 Solazzi, M.F., T.E. Nickelson, and S.L. Johnson. 1991. Survival, contribution, and return of hatchery coho salmon (*Oncorhynchus kisutch*) released into freshwater, estuarine, and marine environments. Can. J. of Fish. Aquat. Sci., 48:2 248-253.
- 1988 Fulton, L. 1970. Spawning areas and abundance of steelhead trout and

- coho, sockeye, and chum salmon in the Columbia River basin-past and present. NOAA, Special Scientific Report-Fisheries No. 618.
- 1989 Cummings, E. 1979. Spawning coho, chinook, and chum salmon surveys in coastal watershed of Oregon, 1978. Oregon Dept. of Fish & Wildlife, manuscript.
- 1990 Berry, R.L. 1975. Status of chum salmon runs in selected coastal streams of Oregon, 1974. Coastal Rivers Information Report 75-2, Fish Commission of Oregon. 14 p.
- 1991 McGie, A.M. 1981. Spawning chinook coho and chum salmon surveys in coastal watersheds of Oregon, 1980. Oregon Dept. of Fish and Wildlife, Charleston, OR 13 p.
- 1992 Kope, R.G. and L.W. Botsford. 1988. Detection of environmental influence on recruitment using abundance data. *Can. J. Fish. Aquat. Sci.* 45: 1448-1458.
- 1993 Donaldson, J.R. 1975. 26th Annual Northwest Fish Culture Conference. Dec. 3-5, 1975, Otter Rock, OR
- 1994 Ryman, N., R. Baccus, C. Reuterwall and M.H. Smith. 1981. Effective population size, generation interval, and potential loss of genetic variability in game species under different hunting regimes. *OIKOS* 36: 257-266.
- 1995 McIntyre, J.D. 1983. Progress in development of guidelines for outplanting. U.S. Fish and Wildlife Service, manuscript 41 p.
- 1996 Anderson, D. and D.E. Woods. 1979. Evaluation of intensive inbreeding for selection of trout brood stock. Minn. Dept. of Nat. Res. Investigational Report No. 364, 31 p.
- 1997 Pepper, S.C. *Aesthetic Quality, A contextualistic Theory of Beauty.* Greenwood Press, Publishers, Westport, CN. A portion of the book.
- 1998 Serchuck, F.M. and R.J. Smolowitz. 1990. Ensuring fisheries management dysfunction: The neglect of science and technology. *Fisheries* 15:2 4-7.
- 1999 Bella, D.A. 1989. Ethics and the credibility of applied science. Draft manuscript, Dept. of Civil Engineering, OSU.
- 2000 Regier, H.A. and A.P. Grima. 1985. Fishery resource allocation: An exploratory essay. *Can. J. Fish. Aquat. Sci.* 42: 845-859.

- 2001 Rivers, C.M. 1946. Third Progress Report of fishery investigation of the Rogue River and its tributaries. Oregon State Game Commission, Grants Pass, OR 29 p.
- 2002 Veatch, J.C., R.L. Jones, E.H. Hill, and A.J. Suomela. 1947. A preliminary report on the condition of the populations of silver and chinook salmon on Oregon coastal rivers. Research Division, Oregon Fish Commission, 16 p.
- 2003 Boudreau, P.R. and L.M. Dickie. 1989. Biological model of fisheries production based on physiological and ecological scalings of body size. *Can. J. Fish. Aquat. Sci.* 46: 614-623.
- 2004 Newman, R.M. and T.F. Waters. 1989. Differences in brown trout (*Salmo trutta*) production among contiguous sections of an entire stream. *Can. J. Fish. Aquat. Sci.* 46:203-213.
- 2005 Cobb, J.N. 1921. Protecting migrating Pacific salmon. *Trans. Am. Fish. Soc.* Vol LI: 146-156.
- 2006 Wedemeyer, G.A., R.L. Saunders, and W.C. Clarke. 1980. Environmental factors affecting smoltification and early marine survival of anadromous salmonids. *Marine Fisheries Review*, June 1-14.
- 2007 Bergstrom, D. 1985. Beavers: Biologists “rediscover” a natural resource. *Forest Research West*, Oct. 1985 1-5.
- 2008 *Aquaculture Magazine*, 1989. Chinook salmon declining in Lake Michigan. 12-15.
- 2009 Bosveld, J. 1990. *Planet undr glass*. 3:10 84-117.
- 2010 Miller, T.J., L.B. Crowder, J.A. Rice, and E.A. Marscall. 1988. Larval size and recruitment mechanisms in fishes: Toward a conceptual framework. *Can. J. Fish. Aquat. Sci.* 45: 1657-1670.
- 2011 Borrelli, P. 1989. Environmental ethics: The Osymoron of our time. *The Amicus Journal* 11:3 39-43.
- 2012 Humbach, J.A. 1989. Law and a new land ethic. *Minnesota Law Review*, 74:2 339-365
- 2013 Program Abstracts, 1992 Chinook and Coho Workshop, Salmon Management in the 21st Century: Recovering Stocks in Decline.

- 2014 Emmett, R.L., S.A. Hinton, and M. Monaco. 1993. Spawning escapement and hatchery production of salmonids in 21 west coast estuarine basins. Draft manuscript for review. for NW. Environment Journal.
- 2015 U.S. General Accounting Office, 1990. Hydroelectric Dams: Issues surrounding Columbia River basin juvenile fish bypasses. 53 p.
- 2016 Phenicie, C.K. and J.R. Lyons. 1973. Tactical planning in fish and wildlife management and research. U.S. Fish and Wildlife Service Resource Pub. 123 19 p.
- 2017 Kerr, S.R. and R.A. Ryder. 1989. Current approaches to multispecies analyses of marine fisheries. Can. J. Fish. Aquat. Sci. 46: 528-534.
- 2018 McNair, D. 1983. Fish of the month: Jack salmon. Pacific Fishing Dec. 37-39.
- 2019 Murawski, S.A. and J.T. Finn. 1988. Biological bases for mixed-species fisheries: Species co-distribution in relation to environmental and biotic variables. Can. J. Fish. Aquat. Sci. 45: 1720-1735.
- 2020 Bocking, R.C. and R.M. Peterman. 1988. Preseason forecasts of sockeye salmon (*Oncorhynchus nerka*): Comparison of methods and economic considerations. Can. J. Fish. Aquat. Sci. 45:1346-1354.
- 2021 Love, H.A. and G.C. Rausser. 1988. Flexible public policy: The case of the United States wheat sector. Manuscript, Ag & Res. Economics, Oregon State University, 26 p.
- 2022 Hennemuth, R.C. 1979. Man as predator. In G.P. Patil and M. Rosenzweig [eds] Contemporary Quantitative Ecology and Related Econometrics 507-532.
- 2023 Hilborn, R. 1991. Hatcheries and the future of salmon and steelhead in the Northwest. The Osprey, Issue No. 11, Jan 1991 5-8.
- 2024 Gay, Joel. 1991. Growing fish: The future of Alaska's hatcheries. 60-68.
- 2025 U.S. v. Oregon Fish Management Plan. Amended by the Court on Oct 7, 1988.
- 2026 Schaaf, W.E., D.S. Peters, D.S. Vaughan, L. Coston-Clements, and C.W. Krouse. 1987. Fish population responses to chronic and acute pollution: The influence of life history strategies. Estuaries 10:3 267-275.

- 2027 Pearson, T.H. and P.R.O. Barnett. 1987. Long-term changes in benthic populations in some west European coastal areas. *Estuaries* 10:3 220-226.
- 2028 Summers, J.K. and K.A. Rose. 1987. The role of interactions among environmental conditions in controlling historical fisheries variability. *Estuaries* 10:3 255-266.
- 2029 Northwest Power Planning Council. 1984. Columbia River Basin Fish and Wildlife Program. 138 p.
- 2030 Diggs, D.H. 1984. A "Delphi" survey into the methods and practices of spring chinook salmon culture. U.S. Fish and Wildlife Service, Dworshak Fisheries Assistance Office, Ahsahka, Idaho. 126 p.
- 2031 Oregon Department of Fish and Wildlife (ODFW) 1990. Past and present abundance of Snake River sockeye, snake river chinook and lower columbia river coho salmon.
- 2032 Oregon Department of Fish and Wildlife (ODFW) 1985. Coho salmon plan status report. (3 copies)
- 2033 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 Colwater River, British Columbia. *Can. J. Fish. Aquat. Sci.* 46: 232-242.
- 2034 Okamoto, Hiroaki. 1989. A genetic comparison of sympatric populations of sand lance (genus *ammodytes*) from the region east of Cape Soya, Japan. *Can. J. Fish. Aquat. Sci.* 46: 1945-1951.
- 2035 Ward, B.R., P.A. Slaney, A.R. Facchin, and R.W. Land. 1989. Size-biased survival in steelhead trout (*Oncorhynchus mykiss*): Back-calculated lengths from adults' scales compared to migrating smolts at the Keogh River, British Columbia. *Can. J. Fish. Aquat. Sci.* 46:1853-1858.
- 2036 Irvine, J.R. and B.R. Ward. 1989. Patterns of timing and size of wild coho salmon (*Oncorhynchus kisutch*) smolts migrating from the Keogh River watershed on northern Vancouver Island. *Can. J. Fish. Aquat. Sci.* 46:1086-1094.
- 2037 Holtby, L.B., T.E. McMahon, and J.C. Scrivener. 1989. Stream temperatures and inter-annual variability in the emigration timing of coho salmon (*Oncorhynchus kisutch*) smolts and fry and chum salmon (*O. keta*) fry from Carnation Creek, British Columbia. *Can. J. Fish. Aquat. Sci.* 46:1396-1405.

- 2038 Mathews, S.B. and Y. Ishida. 1989. Survival, ocean growth, and ocean distribution of differentially timed releases of hatchery coho salmon (*Oncorhynchus kisutch*). *Can. J. Fish. Aquat. Sci.* 46:1216-1226.
- 2039 Randall, R.G. 1989. Effect of sea-age on the reproductive potential of Atlantic salmon (*Salmo salar*) in eastern Canada. *Can. J. Fish. Aquat. Sci.* 46: 2210-2218.
- 2040 McAllister, C.D., U.H.M. Fagerlund and J.R. McBride. 1988. A field experiment to test the importance of estuaries for chinook salmon (*Oncorhynchus tshawytscha*) survival: Short-term results. *Can. J. Fish. Aquat. Sci.* 46: 1366-1377.
- 2041 Charles, A.T. 1989. Bio-socio-economic fishery models: Labour dynamics and multi-objective management. *Can. J. Fish. Aquat. Sci.* 46: 1313-1322.
- 2042 Koslow, J.A. 1989. Managing nonrandomly varying fisheries. *Can. J. Fish. Aquat. Sci.* 46: 1302-1308.
- 2043 Thedinga, J.F., M.L. Murphy, J. Heifetz, K.V. Kosi, and S.W. Johnson. 1989. Effects of logging on size and age composition of juvenile coho salmon (*Oncorhynchus kisutch*) and density of presmolts in southeast Alaska streams. *Can. J. Fish. Aquat. Sci.* 46: 1383-1391.
- 2044 Walters, C.J. 1989. Value of short-term forecasts of recruitment variation for harvest management. *Can. J. Fish. Aquat. Sci.* 46: 1969-1976.
- 2045 Lacroix, G.L. 1989. Production of juvenile Atlantic Salmon (*Salmo salar*) in two acidic rivers of Nova Scotia. *Can. J. Fish. Aquat. Sci.* 46:2003-2018.
- 2046 Walters, C.J. and J.S. Collie. 1988. Is research on environmental factors useful to fisheries management? *Can. J. Fish. Aquat. Sci.* 46: 1848-1854.
- 2047 White, R.J. 1989. We're Going Wild: A 30 year transition from hatcheries to habitat. *Trout Summer* 16-23.
- 2048 McEvoy, A.F. Toward an interactive theory of nature and culture: Ecology, production, and cognition in the California fishing industry.
- 2049 Allen, Durward L. These fifty years: The conservation record of North American wildlife and natural resources conferences. *Trans. N. Amer. Wildl. and Natur. Resour. Conf.* 50 11-67.

- 2050 Young, C. 1986. 1984-1985 Salmon spawner survey report for Coho and chum salmon of Hood Canal and Strait of Juan de Fuca. Point No Point Treaty Council, PNPTC Technical Report TR 86-2.
- 2051 Bax, N.J., E.O. Salo, and B.P. Snyder. 1979. Salmonid outmigration studies in Hood Canal. Fisheries Research Inst., Univ. of Washington, FRI-UW-7921. 89 p.
- 2052 Spindler, J.C. 1955. Loss of game fish in relation to physical characteristics of irrigation-canal intakes. *J. of Wildlife Management*. 19:3 365-382.
- 2053 Hallock, R.J. and W.F. Van Woert. 1959. A survey of anadromous fish losses in irrigation diversions from the Sacramento and San Joaquin rivers. *California Fish and Game* 227-267.
- 2054 Fisher, F.W. 1976. Limited evaluation of the woodbridge irrigation district fish screen. Department of Fish and Game, State of Calif. Adm. Rept. No. 76-10.
- 2055 Wales, J.H. 1948. California's fish screen program. *California Fish and Game*, 34(2): 45-51.
- 2056 Hedgpeth, J.W., S. Obrebski, and J. Watson. 1981. Willapa Bay: A historical perspective and a rationale for research. U.S. Fish and Wildlife Service, FWS/OBS 81/03.
- 2057 Hiss, J.M., J.H. Meyer, R.S. Boomer and Don Cole. 1986. Hatchery winter steelhead contribution to the Hoh River fisheries and potential impacts on the native stock. U.S. Fish and Wildlife Service, Olympia, WA and Olympic National Park, Port Angeles, WA.
- 2058 Whittier, T.R., R.M. Hughes and D.P. Larsen. 1988. Correspondence between ecoregions and spatial patterns in stream ecosystems in Oregon. *Can. J. Fish. Aquat. Sci.* 45: 1264-1278.
- 2059 Hardin, G. 1981. Who cares for posterity? In E. Partridge, ...221-234.
- 2060 Eisenberg, E. 1989. Back to Eden. *The Atlantic Monthly*, November 57-89.
- 2061 Washington State Department of Fisheries. 1959. Fisheries Volume Two. Contribution of Western States, Alaska and British Columbia to Salmon Fisheries of the North American Pacific Ocean, Including Puget Sound, Straits of Juan de Fuca and Columbia River.

- 2062 Starr, P. and R. Hilborn. 1988. Reconstruction of harvest rates and stock contribution in gauntlet salmon fisheries: application to British Columbia and Washington sockeye (*Oncorhynchus nerka*). *Can. J. Fish Aquat. Sci.* 45:2216-2229.
- 2063 Smith, J.D. 1986. An alternative water resources policy direction: A modest proposal. 30250 SW Parkway Avenue, Wilsonville, OR 97070.
- 2064 Smith, R.J., J. Goldstein and R.K. Davis. Economic incentives as a conservation strategy for nongame and endangered species of wildlife. Forty-eighth North American Wildlife Conference. 457-467.
- 2065 Wolfe, D.A., M.A. Champ, D.A. Flemer, and A.J. Mearns. 1987. Long-term biological data sets: Their role in research, monitoring, and management of estuarine and coastal marine systems. *Estuaries* 10:3 181-193.
- 2066 Glynn, C.J. and A.R. Tims. Environmental and natural resource issues: Press sensationalism. Forty-fifth North American Wildlife Conference. 99-109.
- 2067 Percy, W.G., C.D. Wilson, A.W. Chung, and J.W. Chapman. 1987. Residence times, distribution, and production of juvenile chum salmon, *Oncorhynchus keta*, in Netarts Bay, Oregon. *Fishery Bulletin* 87:3 553-568.
- 2068 Williams, T. 1991. Looking back over Eeyore's withers. *Fly Rod & Reel*, Jan/Feb 38-63.
- 2069 House, Freeman. 1990. To learn the things we need to know: Engaging the particulars of the planet's recovery. *Whole Earth Review*, Spring 36-46.
- 2070 Ledgerwood, R.D., E.M. Dawley, L.G. Gilbreath, P.J. Bentley, B.P. Sandford, and M.H. Schiewe. 1990. Relative survival of subyearling chinook salmon which have passed Bonneville Dam via the spillway or the second powerhouse turbines or bypass system in 1989, with comparisons to 1987 and 1988. *Coastal Zone and Estuarine Studies*, Nat. Marine Fisheries Service, Seattle
- 2071 Leider, S.A., M.W. Chilcote, and J.L. Loch. 1986. Movement and survival of presmolt steelhead in a tributary and the main stem of a Washington river. *N.Am. J. of Fisheries Mangt.* 6: 526-531.

- 2072 Lewin, Roger. 1989. How to get plants into the conservationists' Ark. *Science* 244:32-33.
- 2073 Lisle, T.E. and S. Hilton. 1992. The volume of fine sediment in pools: An index of sediment supply in gravel-bed streams. *Water Resources Bulletin*, 28:2 371-383.
- 2074 Black, M. 1993. California's last salmon: The unnatural policies of natural resource agencies. Draft of book.
- 2075 Hall, C.A.S. 1990. Sanctioning resource depletion: Economic development and neo-classical economics. *The Ecologist*, 20:3 99-104.
- 2076 Paulik, G.J. and D.S. Robson. Statistical calculations for change-in-ratio estimators of population parameters. Paper No. BU-175 in the Biometrics Unit Series and No. 571 in the Department of Plant Breeding and Biometry.
- 2077 Francis, R.C. 1983. Population and trophic dynamics of Pacific hake (*Merluccius productus*). *Can. J. Fish. Aquat. Sci.* 40: 1925-43.
- 2078 Walford, L.A. and K. Mosher. 1943. Studies on the Pacific pilchard or sardine. U.S. Fish and Wildlife Service, Special Scientific Report No. 21. 29 p.
- 2079 Hennemuth, R.C., J.E. Palmer, and B.E. Brown. 1980. *J. Northw. Atl. Fish. Sci.* 1: 101-111.
- 2080 Walsh, J.J. 1978. The biological consequences of interaction of the climatic, El Nino, and event scales of variability in the eastern tropical Pacific. *Rapp. P.-v. Reun. Cons. int. Explor. Mer.*, 173: 182-192.
- 2081 Svardson, Gunnar. Salmon stock fluctuations in the Baltic Sea/ 227-260.
- 2082 Lindroth, Arne. Baltic salmon fluctuations: A reply. 110-130.
- 2083 Lindroth, Arne. Baltic salmon fluctuations 2: Porpoise and salmon. 105-112.
- 2084 Population dynamics of the Pacific sardine. Part of Progress Report 1953-1955. Other information unknown. 13-46.
- 2085 Paulik, G.J. Anchoivies, birds and fishermen in the Peru current. *Cent. for Quantit. Sci. in Forestry, Fisheries, and Wildlife, Univ. of Washington*, Working Paper No. 13156-185.

- 2086 Iles, T.D. Interaction of environment and parent stock size in determining recruitment in the Pacific sardine as revealed by analysis of density-dependent 0-group growth. Other information unknown. 228-240.
- 2087 Garrison, R.L. 1984. Stock assessment of 1977-1980 brood Oregon coho stocks. Oregon Department of Fisheries and Wildlife misc. report.
- 2088 Letter from H. Lorz with table of 1973-1981 brood coho released, recovered, survival. Oregon Dept. of Fish and Wildlife 1986.
- 2089 Severson, R.F., F.D. Ratti, and A.P. Rivinus. 1986. Offshore release the future of ocean ranching in Oregon. Am. Fishery Society Meeting, Jan. 23, 1986, 18 p.
- 2090 McNeil, W.J. 1985. Report on offshore release at a Bonneville Power Administration workshop, May 22, 1985. (Draft of presentation).
- 2091 McNeil, W.J. 1985. Ocean release of salmon smolts. Manuscript dated Sept. 9, 1985, 11 p.
- 2092 Hankin, D.G. 1987. Effects of month of release on size at age, age of maturity, ocean fishery exploitation rates, and survival rates of spring and fall chinook salmon released from public hatcheries in Oregon and northern California. Draft manuscript prepared in Feb 1987, 137 p.
- 2093 Li, H.W., C.B. Schreck, C.E. Bond and E. Rexstad. Factors influencing changes in fish assemblages of Pacific northwest streams. Draft OSU, Department of Fisheries and Wildlife, 108 p.
- 2094 Giorgi, A.E., G.A. Swan, W.S. Zaugg, T. Coley, and T.Y. Barila. 1988. Susceptibility of chinook salmon smolts to bypass systems at hydroelectric dams. N. Am. J. of Fish. Mangt. 8: 25-29.
- 2095 Schreck, J.A. and R. Gritz. 1990. Middle for John Day River and tributaries habitat improvement project. 1989 Annual Report prepared for the Bonneville Power Administration, 84-22.
- 2096 Neal, Jeff. 1990. John Day River fish habitat enhancement. 1990 Annual Report prepared for the Bonneville Power Administration, 84-21.
- 2097 Lacy, M.T., V. McGowan, and S. Springston. 1991. Grande Ronde habitat improvement project: Joseph Creek and Upper Grande Ronde River subbasins. 1990 Annual Report prepared for the Bonneville Power Administration, 84-25.

- 2098 Anderson, J. Grande Ronde River subbasin Upper North Fork John Day River subbasin. Wallowa-Whitman National Forest Fisheries Habitat Improvement Annual Report FY 1990. Prepared for the Bonneville Power Administration, 84-9.
- 2099 Sanchez, J.A., D. Delany, and A.G. Scott. 1991. North Fork John Day anadromous fish habitat enhancement. 1990 Annual Report prepared for the Bonneville Power Administration, 84-8.
- 3000 Meehan, W.R. and D.B. Siniff. 1962. A study of the downstream migrations of anadromous fishes in the Taku River, Alaska. *Trans. Amer. Fish. Soc.* 91:4 399-407.
- 3001 Anthony, V., G. Finger, and R. Armstrong. 1965. King salmon (*Oncorhynchus tshawytscha*) spawning ground surveys in the Behm Canal area of Southeastern Alaska. Alaska Dept. of Fish and Game, Informational Leaflet 63.38 p.
- 3002 Holland, J., B. Bachen, G. Freitag, P. Kissner, and A. Wertheimer. 1983. Chinook salmon plan for south east Alaska. Alaska Dept. of Fish and Game. 62 p.
- 3004 Ricker, W.E. 1954. Stock and Recruitment. *J. Fish. Res. Bd. Can.* 11:5 559-623.
- 3005 Bureau of Land Management. 1985?. A five-year comprehensive anadromous fish habitat enhancement plan for Oregon coastal rivers. 20 p.
- 3006 Oregon Dept. of Environmental Quality, Water Quality Division. 1993. 1992-1994 water quality standards review. Technical Advisory Committee Temperature Subcommittee. Draft manuscript, 4-15-93.
- 3007 Fedorenko, A.Y. and B.G. Shepherd. 1986. Review of salmon transplant procedures and suggested transplant guidelines. Canadian Technical Report of Fisheries and Aquatic Science No. 1479.
- 3008 Taylor, E.B. 1990. Phenotypic correlates of life history variation in juvenile chinook salmon (*Oncorhynchus tshawytscha*). *J. of Anim. Ecol.* 59: 455-468.
- 3009 Taylor, E.B. 1990. Environmental correlates of life history variation in juvenile chinook salmon *Oncorhynchus tshawytscha* (Walbaum). *J. of Fish Biology* 37:1-17.

- 3010 U.S. Bureau of Fisheries. Commission of Fish and Fisheries. 1902. Report of the Commissioner for the year ending June 30, 1901. (Filed in The U. S. Fish Commission Notebook on shelf)
- 3011 McBride, D.N. and S.L. Marshall. 1983. Feasibility of scale pattern analysis to identify the origins of chinook salmon (*Oncorhynchus tshawytscha* Walbaum) in the lower Yukon River commercial gillnet fishery, 1980-1981. Dept. of Fish and Game, State of Alaska. Informational Leaflet No. 208.
- 3012 Chen, K.M., I.M. McCallum, R.I. McKay, and B.E. March. 1987. A comparison of survival and growth of two strains of chinook salmon (*Oncorhynchus tshawytscha*) and their crosses reared in confinement. *Aquaculture* 67: 301-311.
- 3013 Park, D.L. 1990. Status and future of spring chinook salmon in the Columbia River Basin—Conservation and enhancement. NOAA Tech. Memo. NMFS F/NWC-187.
- 3014 Becham, T.D. 1984. Age and morphology of chum salmon in southern British Columbia. *Trans. of the Am. Fish. Soc.* 113:727-736.
- 3015 Withler, R.E., W.C. Clarke, B.E. Riddell, and H. Kreiberg. 1987. Genetic variation in freshwater survival and growth of chinook salmon (*Oncorhynchus tshawytscha*). *Aquaculture* 64: 85-96.
- 3016 Gharrett, A.J., S.M. Shirley, and G.R. Troble. 1987. Genetic relationships among populations of Alaskan chinook salmon (*Oncorhynchus tshawytscha*). *Can. J. Fish. Aquat. Sci.* 44: 765-774.
- 3017 Beacham, T.D. and C.B. Murray. 1987. Adaptive variation in body size, age, morphology, egg size, and developmental biology of chum salmon (*Oncorhynchus keta*) in British Columbia. 44: 244-261.
- 3018 Thompson, W.F. 1958. An approach to population dynamics of the Pacific Red Salmon. Presented at 88th Annual Meeting of the Am. Fish. Soc., Philadelphia, September 8, 1958.
- 3019 Healey, M.C. and W.R. Heard. 1984. Inter- and intra-population variation in the fecundity of chinook salmon (*Oncorhynchus tshawytscha*) and its relevance to life history theory. *Can. J. Fish. Aquat. Sci.* 41: 476-483.
- 3020 Molles, M.C., Jr. and C.N. Dahm. 1989. (In review) El Nino, La Nina, and North American stream ecology. *J. of N. Am. Benthological Soc.* March Issue 9:1 (Manuscript version)

- 3021 Barber, R.T. and J.E. Kogelschatz. 1989. Nutrients and productivity during the 1982/83 El Nino. In P.W. Glynn (Ed.) Global Ecological Consequences of the El Nino-Southern Oscillation (1989).
- 3022 Pomeroy, L.R. and J.J. Alberts. 1988. Concepts of ecosystem ecology: A comparative view. Ecological Studies 67. Springer-Verlag, New York. 171-193.
- 3023 Ropelewski, C.F. and M.S. Halpert. 1986. North American precipitation and temperature patterns associated with the El Nino/Southern Oscillation (ENSO). Monthly Weather Review, 114:2352-2362.
- 3024 Coghlan, M. 1984. A climatologically-based analysis of the storm and flood history of Redwood Creek. Redwood National Park, Research and Development, Technical Report 10. 45 p.
- 3025 Quinn, W.H., V.T. Neal, and S.E.A. Mayolo. 1987. El Nino occurrences over the past four and a half centuries. J. of Geophysical Research..... 14449-14461.
- 3026 Wolf, P. 1992. Recovery of the Pacific sardine and the California sardine fishery. CalCOFI Rep. 33: 76-86.
- 3027 Northwest Power Planning Council. 1988. Salmon and steelhead research and monitoring. Staff Issue Paper 88-23. 13 p.
- 3028 Lluch-belda, D., S. Hernandez-Vazquez, D.B. Lluch-cota, C.A. Salinas-Zavala, and R.S. Schwartzlose. 1992. The recovery of the California sardine as related to global change. CalCOFI Rep. 33: 50-59.
- 3029 Tversky, A. and D. Kahneman. 1981. The farming of decisions and the psychology of choice. Science 211: (Jan 30) 453-458.
- 3030 Stanford, J.A. and J.V. Ward. 1992. Management of aquatic resources in large catchments: Recognizing interactions between ecosystem connectivity and environmental disturbance. Chpt 5 in Watershed Management, Springer-Verlag. 91-124.
- 3031 Hall, C.A.S., J.A. Stanford and F.R. Hauer. 1992. The distribution and abundance of organisms as a consequence of energy balances along multiple environmental gradients.OIKOS 65: 377-390.
- 3032 Ware, D.M. and G.A. McFarlane. 1989. Fisheries production domains in the northeast Pacific Ocean. p. 359-379. In. R.J. Beamish and G.A.

- McFarlane (ed.) Effects of ocean variability on recruitment and an evaluation of parameters used in stock assessment models. Can. Spec. Publ. Fish. Aquat. Sci. 108.
- 3033 Lluch-Belda, D. R.A. Schwartzlose, R. Serra, R. Parrish, T. Kawasaki, D. Hedgecock, and R.J.M. Crawford. 1992. Sardine and anchovy regime fluctuations of abundance in four regions of the world oceans: a workshop report. Fish. Oceanogr. 1:4 339-347.
- 3034 Springer, A.M. 1992. A review: Walleye pollock in the North Pacific—how much difference do they really make? Fis. Oceanogr. 1:1 80-96.
- 3035 Brodeur, R.D. and D.M. Ware. 1992. Long-term variability in zooplankton biomass in the subarctic Pacific Ocean. Fish. Oceanogr. 1:1 32-38.
- 3036 Lewontin, R.C. 1974. The analysis of variance and the analysis of causes. Am. J. Hum. Genet. 26: 400-411.
- 3037 Iles, T.D. and M. Sinclair. 1982. Atlantic Herring: Stock discreteness and abundance. Science, 215 (Feb 5) 627-633.
- 3038 Murphy, G.I. 1968. Pattern in life history and the environment. The Am. Naturalist. 102:927 391-403.
- 3039 Marr, J.C. 1950. Apparent abundance of the pilchard (*Sardinops caerulea*) off Oregon and Washington, 1935-43, as measured by the catch per boat. Fish. Bulletin 52. Vol 51: 385-394.
- 3040 Greswell, R.E., W.J. Liss and G.L. Larson. Life history organization of Yellowstone cutthroat trout *Oncorhynchus clarki bouvieri* in Yellowstone Lake. Manuscript 38 p.
- 3041 Berven, K.A. and D.E. Gill. 1983. Interpreting geographic variation in life history traits. Amer. Zool. 23: 85-97.
- 3042 Urgan, D.L., R.V. O'Neill, and H.H. Shugart, Jr. 1987. Landscape Ecology: A hierarchical perspective can help scientists understand spatial patterns. BioScience 37:2 119-127.
- 3043 Gharrett, A.J. and W.W. Smoker. 1993. Genetic components in life history traits contribute to population structure. In J.G. Cloud and G.H. Thorgaard, Genetic conservation of salmonid fishes. Plenum Press, New York 197-202.
- 3044 Raymond, H.L. 1988. Effects of hydroelectric development and Fisheries

- enhancement on spring and summer chinook salmon and steelhead in the Columbia River Basin. *N. Am. J. of Fish. Mgt.* 8:1 1-24.
- 3045 Wahle, R.J., E. Chaney, and R.E. Pearson. 1981. Areal distribution of marked Columbia River basin spring chinook salmon recovered in fishereis and at parent hatcheries. *Fisheries Rev.* 43:12 1-9.
- 3046 Pacific Fisherman. 1920. Impression of Bonneville Hatchery. Seattle, WA November, XVIII:11.
- 3047 Pacific Fisherman. 1920. Proposed Alaska Fisheries Bill. Seattle, WA February, XVIII:2.
- 3048 Pacific Fisherman. 1904. Western Editorial on important fishery questions. Seattle, WA June, II:6.
- 3049 Lewontin, R.C. 1970. The units of selection. In R.F. Johnston, P.W. Frank, C.D. Michener. *Annual review of Ecology and Systematics*. Annual Reviews, Inc., Palo Alto, CA 1-18.
- 3050 McDonald, M. 1895. The salmon fisheries of the Columbia River Basin. *Bulletin of the U. S. Fish Commission*. Vol. XIV for 1894. Washington, DC. (Filed in U. S. Fish Commission Notebook on shelf)
- 3051 Ryman, N. and G. Stahl. 1981. Genetic perspectives of the identification and conservation of Scandinavian stocks of fish. *Can. J. Fish. Aquat. Sci.* 38: 1562-1575.
- 3052 Wehrhahn, C.F. and R. Powell. 1987. Electrophoretic variation, regional differences, and gene flow in the coho salmon (*Oncorhynchus kisutch*) of Southern British Columbia. *Can. J. Fish. Aquat. Sci.* 44:822-831.
- 3053 Withler, I.L. 1966. Variability in life history characteristics of steelhead trout (*Salmo gairdneri*) along the Pacific Coast of North America. *J. Fish. Res. Brd. Can.* 23:3 365-392.
- 3054 Taylor, S.G. 1980. Marine survival of pink salmon fry from early and late spawners. *Trans. Am. Fish. Soc.* 109:79-82.
- 3055 McGregor, E.A. 1923. A possible separation of the river races of king salmon in ocean-caught fish by means of anatomical characters. *Calif. Fish and Game*. 9: 138-150.
- 3056 Myers, K.W., C.K. Harris, C.M. Knudsen, R.V. Walker, N.D. Davis, and D.E. Rogers. 1987. *N.Am. J. of Fish. Mgt.* 7:459-474.

- 3057 Holmes, P.B. 1988. Genetic relationships of even-year northwestern Alaskan pink salmon. *Trans. Am. Fish. Soc.* 117:536-545.
- 3058 Power, G. 1981. Stock characteristics and catches of Atlantic salmon (*Salmo salar*) in Quebec, and Newfoundland and Labrador in relation to environmental variables. *Can. J. Fish. Aquat. Sci.* 38: 1601-1611.
- 3059 Quinn, T.P., C.C. Wood, L. Margolis, B.E. Riddell, and K.D. Hyatt. Homing in wild sockeye salmon (*Oncorhynchus nerka*) populations as inferred from differences in parasite prevalence and allozyme allele frequencies. *Can. J. Fish. Aquat. Sci.* 44: 1963-1971.
- 3060 Merkel, T.J. 1957. Food habits of the king salmon, *Oncorhynchus tshawytscha* (Walbaum), in the vicinity of San Francisco, California. *Calif. Fish and Game* 43:4 249-270.
- 3061 Dawley, E.M., C.W. Sims, R.D. Ledgerwood, D.R. Miller, and J.G. Williams. 1981. A study to define the migrational characteristics of chinook and coho salmon in the Columbia River estuary and associated marine waters. Coastal Zone and Estuarine Studies Division, NMFS, Alaska Fisheries Center, Seattle, WA 68 p.
- 3062 Gross, M.R., R.M. Coleman, and R.M. McDowall. 1988. Aquatic productivity and the evolution of diadromous fish migration. *Science* 239:March 1291-1293.
- 3063 Frissell, C.A. and T. Hirai. 1988. Life history patterns, habitat change, and productivity of fall chinook stocks of southwest Oregon. Proceedings of the Northwest Pacific Chinook and Coho Workshop, Oct. 3-4, 1988, Bellingham, WA. manuscript, 10 p.
- 3064 Quinn, T.P. and K. Fresh. 1984. Homing and straying in chinook salmon (*Oncorhynchus tshawytscha*) from Cowlitz River Hatchery, Washington, *Can. J. Aquat. Sci.* 41:1078-1082.
- 3065 Thorpe, J.E., R.I.G. Morgan, D. Pretswell and P.J. Higgins. 1988. Movement rhythms in juvenile Atlantic salmon, *Salmo salar* L. *J. Fish. Biol.* 33: 931-940.
- 3066 Murphy, M.L., J. Heifetz, J.F. Thedinga, S.W. Johnson, and K.V. Koski. 1989. Habitat utilization by juvenile Pacific salmon (*Onchorynchus*) in the Glacial Taku River, Southeast Alaska. *Can. J. Fish Aquat. Sci.* 46: 1677-1685.

- 3067 Smith, H. M. 1896. A review of the history and results of the attempts to acclimatize fish and other water animals in the Pacific states. Bulletin of the U. S. Fish Commission, Vol. XV for 1895. Washington, DC.
- 3068 Taylor, E.B. 1988. Adaptive variation in rheotactic and agonistic behavior in newly emerged fry of chinook salmon, *Oncorhynchus tshawytscha*, from ocean and stream type populations. *Can. J. Fish. Aquat. Sci.* 45: 237-243.
- 3069 Vronskiy, B.B. 1972. Reproductive biology of the Kamchatka River chinook salmon (*Oncorhynchus tshawytscha* (Walbaum)) *J. of Ithy.* 12:2 259-273.
- 3070 Healey, M.C. 1980. Utilization of the Nanaimo River estuary by juvenile chinook salmon, *Oncorhynchus tshawytscha*. *Fish. Bull.* 77:3 653-669.
- 3071 Taylor, E.B. and P.A. Larkin. 1986. Current response and agonistic behavior in newly emerged fry of chinook salmon, *Oncorhynchus tshawytscha*, from ocean and stream type population. *Can. J. Fish Aquat. Sci.* 43: 565-573.
- 3072 Neilson, J.D. and G.H. Geen. 1986. First year growth rate of sixes river chinook salmon as inferred from otoliths: Effects on mortality and age at maturity. *Trans. Am. Fish. Soc.* 115: 28-33.
- 3073 Clarke, W.C., J.E. Shelbourn, T. Ogasawara and T. Hirano. 1989. Effect of initial daylength of growth, seawater adaptability and plasma growth hormone levels in underyearling coho, chinook and chum salmon. *Aquaculture* 82: 51-62.
- 3074 Raymon, H.L. 1968. Migration rates of yearling chinook salmon in relation to flows and impoundments in the Columbia and Snake Rivers. *Trans. Am. Fish. Soc.* 97: 356-359.
- 3075 Neilson, J.D. and G.H. Geen. 1985. Estuarine growth of juvenile chinook salmon (*Oncorhynchus tshawytscha*) as inferred from Otolith microstructure. *Can. J. Fish. Aquat. Sci.* 42: 899-908.
- 3076 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.
- 3077 Bella, D.A. 1992. The Technosphere or Why I believe that global environmental research—including what goes on in this lab—is reductionist—dispite claims to the contrary—and incapable of adequately addressing the problems we face—regardless of funding levels.

Manuscript, Dept. of Civil Engineering, Oregon State University,
Corvallis, OR 36.

- 3078 Sigholt, T., T. Jarvi, and R. Lofthus. 1989. The effect of constant 12 hour light and simulated natural light on growth, cardiac somatic index and smolting in Atlantic Salmon (*salmo salar*). *Aquaculture* 82: 127-136.
- 3079 Regier, H.A., P. Tuunainen, Z. Russek, and Lars-Erik Persson. missing information.... Rehabilitative redevelopment of the fish and fisheries of the Baltic Sea and the Great Lakes.
- 3080 Tversky, A. and D. Kahneman. 1981. The framing of decisions and the psychology of choice. *Science*, 211:30 453-458.
- 3081 Promislow, D.E.L. and P.H. Harvey. 1990. Living fast and dying young: A comparative analysis of life-history variation among mammals. *J. of Zoology*, 220: 417-437.
- 3082 Charnov, E.L. 1986. Life-history evolution in a "recruitment population:" Shy are adult mortality rates constant? *Oikos* 47:2 129-134.
- 3083 Allendorf, F.W. 1991. Ecological and genetic effects of fish introductions: Synthesis and recommendations. *Can. J. Fish. Aquatic Sci.* 48(Suppl 1): 178-181.
- 3084 Poff, N.L. and J.V. Ward. 1989. Implications of streamflow variability and predictability for lotic community structure: A regional analysis of streamflow patterns. *Can. J. Fish. Aquat. Sci.* 46: 1805-1818.
- 3085 Bird, E.A.R. 1987. The social construction of nature: Theoretical approaches to the history of environmental problems. *Environmental Review*, 11:4 255-264.
- 3085b Merchant, C. 1987. The theoretical structure of ecological revolutions. *Environmental Review*, 11:4 265-274.
- 3086 Duncan, C.A.M. 1991. On identifying a sound environmental ethic in history: Prolegomena to any future environmental history. *Environmental History Review* 15:2 5-30.
- 3087 Slocombe, D.S. 1989. History and environmental messes: A nonequilibrium systems view. *Environmental Review* 14:3-4 1-13.
- 3088 Robbins, W.G. 1993. Narrative form and great river myths: The power of Columbia River stories. *Envir. Hist. Review* 17:2 1-21.

- 3089 Bailes, K.E. 1983. Critical issues in environmental history. *Environmental Review* 7:1 5-7.
- 3089b Koppes, C.R. 1983. Environmental history: Pitfalls and opportunities. 7:1 8-16.
- 3090 Cronon, W. 1993. The uses of environmental history. *Environmental History Review*, Fall issue, 1-22.
- 3091 Worster, D. 1987. The vulnerable earth: Toward a planetary history. *Environmental Review*, 11:2 87-103.
- 3092 Egerton, F.N. 1987. Pollution and aquatic life in Lake Erie: Early scientific studies. *Environmental Review* 11:3 189-205.
- 3093 Bogue, M.B. 1987. In the shadow of the Union Jack: British legacies and Great Lakes fishery policy. *Environmental Review*, 11:1 19-34.
- 3094 Piddocke, S. 1968. The potlatch system of the southern Kwakiutl: A new Perspective. LeClair, E.E., Jr. and H.K. Schneider. Economic Anthropology: Readings in theory and analysis. Holt, Rinehart and Winston, Inc., p. 283-
- 3095 Goldrich, D. 1986. Democracy and energy planning: The Pacific Northwest as prototype. *Environmental Review*, 10:3 199-214.
- 3096 Cumbler, J.T. 1991. The early making of an environmental consciousness: Fish, fisheries commissions and the Connecticut River. *Env. History Review*, 15:4 73-91.
- 3097 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. of Fish. Aquat. Sci.* 46:8 1347-1355.
- 3098 Burger, J.E. 1987. Salmon carcass value. *Flyfishing*. Nov.-Dec. 8-9.
- 3099 Vreeland, R.R. 1988. Evaluation of the contribution of chinook salmon reared at Columbia River hatcheries to the Pacific salmon fisheries. Report prepared for Bonneville Power Administration, Project No. 79-2.
- 3100 Richards, J., and D. Olsen. 1993. Inter-basin comparison study: Columbia River salmon production compared to other west coast production areas. Phase I Analysis. Sponsored by the U.S. Army Corps of Engineers.

- 3101 Ricklefs, R. E. and D. Schluter. 1993. Species diversity in ecological communities: Historical and geographical perspectives. University of Chicago Press.
- 3102 Hartman, G. F. Brief for presentation to the B. C. Utilities Commission Review Panel on the Kemano Completion Project.
- 3103 Shirvell, C. S. 1994. Kemano Completion Project Nechako River, B. C. Utilities Commission Review Panel.
- 3104 Barber, R. T. Pomeroy, L.R. and J.J. Alberts. 1988. Concepts of ecosystem ecology: A comparative view. *Ecological Studies* 67. Springer-Verlag, New York. 171-193.
- 3105 Walters, C. J. and R. Hilborn. 1978. Ecological optimization and adaptive management. *Ann. Rev. Ecol. Syst.* 9:157-88
- 3106 Walters, C., R. D. Goruk and D. Radford. 1993. Rivers inlet sockeye salmon: an experiment in adaptive management. *Fisheries Management* 13:253-262.
- 3107 Walters, C. J. 1993. Dynamic models and large scale field experiments in environmental impact assessment and management. *Australian J. of Ecology.* 18: 53-61.
- 3108 Collie, J. S. and C. J. Walters. 1991. Adaptive management of spatially replicated groundfish populations. *Canadian Journal of Fisheries and Aquatic Sciences* 48:1273-1284.
- 3109 Walters, C. J. and J. S. Collie. 1989. An experimental strategy for groundfish management in the face of large uncertainty about stock size and production. Pages 13-25 in R. J. Beamish and G. A. McFarlane, eds. *Effects of ocean variability on recruitment and an evaluation of parameters used in stochastic assessment models.* Canadian Spec. Public. Fish. Aquat. Sci. 108.
- 3110 Walters, C. J. and R. Hilborn. 1976. Adaptive control of fishing systems. *J. Fish. Res. Board Can.* 33:145-159.
- 3111 Walters, C., L. Gunderson and C. S. Holling. 1992. Experimental policies for water management in the Everglades. *Ecological Applications* 2(2):189-202.
- 3112 Fish: the tragedy of the oceans. *The Economist.* March 19, 1994.

- 3113 Odum, E. P. 1969. The strategy of ecosystem development. *Science* 164:262-270.
- 3114 Ricker, W. E. 1980. Causes of the decrease in age and size of chinook salmon (*Oncorhynchus tshawytscha*). Canadian Technical Report of Fisheries and Aquatic Sciences No. 944. Department of Fisheries and Oceans, Nanaimo, B.C.
- 3115 Lee, D. C. 1991. A stochastic, compartmental model of the migration of juvenile anadromous salmonids in the Columbia River Basin. *Ecological Modelling* 54: 227-245.
- 3116 Hall, C. A.S. 1988. An assessment of several of the historically most influential theoretical models used in ecology and of the data provided in their support. *Ecological Modelling* 43: 5-31.
- 3117 Caswell, H. 1988. Theory and models in ecology: a different perspective. *Ecological Modelling* 43: 33-44.
- 3118 DeAngelis, D. L. 1988. Strategies and difficulties of applying models to aquatic populations and food webs. *Ecological Modelling* 43: 57-73.
- 3119 Kot, M., W. M. Schaffer, G. L. Truty, D. J. Graser, and L. F. Olsen. 1988. Changing criteria for imposing order. *Ecological Modelling* 43: 75-110.
- 3120 Onstad, D. W. 1988. Population dynamics theory: the roles of analytical, simulation, and super computer models. *Ecological Modelling* 43: 111-124.
- 3121 Emlen, J. M. and E. K. Pkitch. 1989. Animal population dynamics: identification of critical components. *Ecological Modelling* 44: 253-273.
- 3122 Shelbourn, J. E., J. R. Brett and S. Shirahata. 1973. Effect of temperature and feeding regime on the specific growth rate of sockeye salmon fry (*Oncorhynchus nerka*), with a consideration of size effect. *J. Fish. Res. Board Can.* 30: 1191-1194.
- 3123 Tilman, D. 1994. Competition and biodiversity in spatially structured habitats. *Ecology* 75: 2-16.
- 3124 DeAngelis, D. L. and G. T. Yeh. 1984. An introduction to modeling migratory behavior of fishes. Pages 445- 469 in McCleave, J. D., G. P. Arnold, J. J. Dodson and W. H. Neill (eds.) *Mechanisms of migration in fishes*. Plenum Press, New York.

- 3125 Crittenden, R. N. 1994. A model for the processes regulating recruitment for a sockeye salmon stock. *Ecological Modelling* 71: 85-106.
- 3126 Bottom, D. L., T. E. Nickelson, and S. L. Johnson. 1986. Coho salmon model. ODFW Progress Reports .
- 3127 Volkman, J. M. and W. E. McConnaha. 1993. Through a glass, darkly: Columbia River salmon, the Endangered Species Act, and adaptive management. *Environmental Law, Northwestern School of Law of Lewis and Clark College*. 23:1249-1272.
- 3128 Jones, K. K., C. A. Simenstad, D. L. Higley and D. L. Bottom. 1990. Community structure, distribution, and standing stock of benthos, epibenthos, and plankton in the Columbia River Estuary. *Prog. Oceanography* 25: 211-241.
- 3129 Bottom, D. L. and K. K. Jones. 1990. Species composition, distribution, and invertebrate prey of fish assemblages in the Columbia River estuary. *Prog. Oceanography* 25:243-270.
- 3130 Shannon, M. A. and C. Robinson. Institutional strategies for landscape management. U. of Washington manuscript.
- 3131 Stanford, J. A. and F. R. Hauer. 1992. Mitigating the impacts of stream and lake regulation in the Flathead River catchment, Montana, USA: an ecosystem perspective. *Aquatic Conservation: Marine and Freshwater Ecosystems* 2:35-63.
- 3132 Columbia River Inter-Tribal Fish Commission. A model for determining production potential of Columbia River anadromous salmonids. Draft version Dec. 9, 1991.
- 3133 Pacfish Strategies - Revised April 26, 1993.
- 3134 Dentler, J. 1993. The regulation and control of exotic fish and wildlife. Ph. D. Dissertation, draft version.
- 3135 Whitelaw, E. and E. Niemi. Making money without paying the full price uproots the future: wisdom and technical know-how could guide us in determining costs. unknown publication. Part of forthcoming issue of the University of Oregon's quarterly magazine *Old Oregon*.
- 3136 Hedgecock, D. 1986. Is gene flow from pelagic larval dispersal important in the adaptation and evolution of marine invertebrates? *Bulletin of Marine Science* 39:2 550-564.

- 3137 Gale, R. P. 1987. Social assessment from pines to perch: Comparative observations of fisheries and forestry. *Transactions of the American Fisheries Society* 116: 486-493.
- 3138 Higgs, E. S. 1987. Philosophy and political science: Changing value perspectives in natural resource allocation: from market to ecosystem. *Transactions of the American Fisheries Society* 116:525-531
- 3139 Lindsey, C. C. 1957. Possible effects of water diversions on fish distribution in British Columbia. *J. Fish. Research Board of Canada* 14:4 651-668.
- 3140 Erwin, T. L. 1991. An Evolutionary basis for conservation strategies. *Science* 253: August 16 750-757
- 3141 Whitelaw, E. 1992. Oregon's real economy. *Old Oregon Winter* 1992, 31-33.
- 3142 Soule, M. E. 1991. Conservation: tactics for a constant crisis. *Science* 253: August 16 744-750
- 3143 Pacific Northwest Generating Cooperative vs. Ronald Brown, et al., The Aluminum Company of America, et al. vs. Ronald Brown, et al., Public Power Council vs. Ronald Brown, et al.
- 3144 Pearce, D. 1987. Foundations of an ecological economics. *Ecological Modelling* 38: 9-18.
- 3145 Frissell, C. 1993. The shrinking range of Pacific salmon: status and distribution of anadromous salmonids in the Pacific Northwest and California. Draft report and maps prepared for the Wilderness Society.
- 3146 Strange, E. M., P. Moyle and T. C. Foin. 1992. Interactions between stochastic and deterministic processes in stream fish community assembly. 36: 1-15.
- 3147 Moyle, P. B. and R. M. Yoshiyama. 1992. Fishes, aquatic diversity management areas, and endangered species: a plan to protect California's native aquatic biota. Draft manuscript submitted to California Policy Seminar, U. of Calif. Berkeley.
- 3148 Tynan, T. 1992. Hood Canal chum harvest and escapement assessment. Puget Sound Net Management Unit, Wash. Dept. of Fisheries.

- 3149 Washington State ecosystems conservation program progress report 1992. Published by U.S. Fish and Wildlife Service.
- 3150 Ralph, S. C., G. C. Poole, L. L. Conquest and R. J. Naiman. 1992. Stream channel condition and in-stream habitat in logged and unlogged basins of western Washington. Submitted to Canadian J. of Fisheries and Aquatic Sciences.
- 3151 Thompson, W. F. 1965. Fishing treaties and salmon of the North Pacific. *Science* 150:1786-1789
- 3152 Michael, J. H., Jr. 1989. Life history of anadromous coastal cutthroat trout in snow and salmon creeks, Jefferson County, Washington, with implications for management. *California Fish and Game* 75:188-203.
- 3153 Reynolds, F. L., R. L. Reavis and J. Schuler. 1990. Central valley salmon and steelhead restoration and enhancement plan. State of California, Dept. of Fish and Game. Partial document.
- 3154 Borgerson, L. 1991. Scale Analysis. Oregon Dept. of Fish and Wildlife Progress Report. Additional tables attached.
- 3155 Seiler, D. 1991. Memo - Information for OCN Coho Review Group. Planning, Research, and harvest management Wash. Dept. of Fisheries.
- 3156 U.S. Fish and Wildlife Service. 1991. Analysis of salmon and steelhead stock status on the Olympic Peninsula, Washington. Manuscript prepared/revised July 1991.
- 3157 Deimling, E. A. and W. J. Liss. 1994. Fishery development in the eastern North Pacific: a natural-cultural system perspective, 1888-1976. *Fish. Oceanogr.* 3:1 60-77.
- 3158 Oregon Water Resource Department. 1986. John Day River Basin. Salem, OR.
- 3159 Brush, S. B. 1986. Genetic diversity and conservation in traditional farming systems. *J. Ethnobiology* 6:1 151-167.
- 3160 Van Cleve, R., and R. Ting. 1960. The condition of salmon stocks in the John Day, Umatilla, Walla Walla, Grande Ronde, and Imnaha rivers as reported by various fisheries agencies. Department of Oceanography, University of Washington, Seattle, WA.
- 3161 Graumlich, L. J. 1981. Precipitation variation in the Pacific Northwest

- (1675 1975) as reconstructed from tree rings. *Annals. of the Assoc. of Am. Geographers* 77(1):19 29.
- 3162 Smith-Gill, S. J. 1883. Developmental plasticity: developmental conversion versus phenotypic modulation. *Amer. Zool.* 23:47 55.
- 3163 Chatters, J. C., V. L. Butler, M. J. Scott, D. M. Anderson, and D. A. Neitzel. In press. A Paleoscience approach to estimating the effects of climatic warming on salmonid fisheries of the Columbia River Basin. *Can. J. Fish. Aquat. Sci.*
- 3164 Holtby, L. B. 1988. Effects of Logging on stream temperatures in Carnation Creek, British Columbia, and associated impacts on the coho salmon (*Oncorhynchus kisutch*). *Can. J. Fish. Aquat. Sci.* 45:502 515.
- 3165 Li, H. W., G. A. Lamberti, T. N. Pearson, C. K. Tait, J. L. Li, and J. C. Buckhouse. 1994. Cumulative effects of riparian disturbances along high desert trout streams of the John Day Basin, Oregon. *Transactions of the American Fisheries Society* 123: 627-640. (see journal) Draft copy in files
- 3166 Whitney, R. R., L. D. Calvin, C. C. Coutant, J. Lichatowich, J. A. Stanford, and Richard N. Williams. 1993. Critical uncertainties in the fish and wildlife program. Report to Policy Review Group, Bonneville Power Administration, Portland, OR.
- 3167 Robison, R. S. 1957. The Yakima River historical and present Indian fishery. Manuscript Washington Department of Fisheries, Olympia, WA.
- 3168 Davidson, F. A. 1965. The development of irrigation in the Yakima River Basin and its effect on the migratory fish populations in the river. Consultant Report, Ephrata, WA.
- 3169 Mundy, P. R. In press. The role of harvest management in determining the status and future of Pacific salmon populations: controlling human behavior to enable the persistence of salmon. In D. Stouder, ed. *Proceedings of Pacific salmon and their ecosystems*. University of Washington Center for Streamside Studies, College of Forest Resources, College of Ocean and Fisheries Sciences. January 10 12, 1994.
- 3170 Tait, C. K., J. L. Li, G. A. Lamberti, T. N. Pearsons, and H. W. Li. In press. Relationships between riparian cover and the community structure of high desert streams. *J. North Am. Benthol. Soc.*
- 3171 Leethem, J. T. 1979. The Western Gold Dredging Company of John Day, Oregon. *Oregon Geology* 41(6):91 95.

- 3172* Welcher, K. E. 1993 Channel restoration plan and geomorphology of the Middle Fork John Day Preserve. Prepared for the Nature Conservancy, Portland, OR.
- 3173 Southwood, T. R. E. 1977. Habitat, the templet for ecological strategies? *The J. Animal Eco.* 16(2):337-365.
- 3174 Becker, C. D. 1985. Anadromous salmonids of the Hanford Reach, Columbia River: 1984 status. PNL-5371, Pacific Northwest Laboratory, Battelle Memorial Institute, Richland, WA.
- 3175 Vaccaro, J. J. 1986. Comparison of unregulated and regulated streamflow for the Yakima River at Union Gap and near Parker, Washington. U. S. Geological Survey, Water-Resources Investigations Open-File Report 82-646.
- 3176 Vaccaro, J. J. 1986. Simulation of streamflow temperatures in the Yakima River Basin, Washington, April-October 1981. Water Resources Investigations Report 85-4232, U. S. Geological Survey, Tacoma, WA.
- 3177 Plummer, F. G. 1902. Forest conditions in the Cascade Range, WA Between the Washington and Mount Rainier forest reserves. U. S. Geological Survey, Washington, DC.
- 3178 Greenland, D. 1993. The climate of the H. J. Andrews experimental forest and its regional synthesis. Report prepared for U.S. Forest Service, Pacific Northwest Research Station. Department of Geography, University of Oregon, Eugene, OR.
- 3179 Ebbesmeyer, C. C., and W. Tangborn. 1993. Great Pacific surface salinity trends caused by diverting the Columbia River between seasons. Manuscript Evans-Hamilton, Inc., 731 N. Northlake Way, Suite 201, Seattle, WA.
- 3180 Oregon Department of Fish and Wildlife and National Marine Fisheries Service. 1990. Past and present abundance of Snake River sockeye, Snake River chinook, and Lower Columbia River coho salmon. Prepared for Senator Hatfield.
- 3181 Durkin, J. T., and C. W. Sims. 1985. Migrations of juvenile coho salmon, *Oncorhynchus kisutch*, into the Columbia River estuary, 1966-71. NOAA Technical Memorandum NMFS F/NWC-84.
- 3182 Neal, J. A., J. P. Jerome, and K. H. Delano. 1993. John Day River

- subbasin fish habitat enhancement project. 1992 Annual Report, Oregon Department of Fish and Wildlife, John Day, Oregon.
- 3183 Becker, C. D. 1973. Food and growth parameters of juvenile chinook salmon, *Oncorhynchus tshawytscha*, in central Columbia River. *Fishery Bulletin* 71:2 387-400.
- 3184 Mysak, L. A. 1986. El Nino, Interannual variability and fisheries in the Northeast Pacific Ocean. *Can. J. Fish. Aquat. Sci.*, 43: 464-497.
- 3185 Berman, C. H. and T. P. Quinn. 1990. The effect of elevated holding temperatures of adult spring chinook salmon reproductive success: final study report. Center for Streamside Studies/Fisheries Research Institute, University of Washington, Seattle, WA 98195.
- 3186 Hare, S. R. and R. C. Francis. 1992. Climate change and salmon production in the Northeast Pacific Ocean. *Can. J. Fish. Aquat. Scie.* (submitted).
- 3187 Chapman, D. W. and K. L. Witty. 1993. Habitats of weak salmon stocks of the Snake River Basin and feasible recovery measures. See final report published by Bonneville on shelf.
- 3188 Bjornn, T. C. and R. F. Thurow. 1974. Federal aid to fish and wildlife restoration St. Jose River cutthroat trout and northern squawfish studies. Idaho Fish and Game Department. Job Performance Report Project F-60-R-5.
- 3189 Shepard, M. F. 1986. Evaluation of the effectiveness of stream improvement measures for salmonids. Wash. Cooper. Fish. Res. Unit, Un. of Washington.
- 3190 Kelly, M. D., W. J. Wilson, P. O. McMillan, and W. W. Smoker. 1989. Interactions between wild and hatchery-produced salmon in northwest North America, and issues and concerns over Sikusuilaq Springs Hatchery on the Noatak River, Alaska. Arctic Environmental Information and Data Center.
- 3191 Wallowa-Whitman National Forest, Pacific Northwest Forest and Range Experiment Station, Oregon Department of Fish and Wildlife, Columbia River Inter-Tribal Fish Commission, Confederated Tribes of Umatilla Indian Reservation, Nez Perce Tribe, and Oregon State University, 1992. Upper Grande Ronde River anadromous fish habitat protection, restoration and monitoring plan.

- 3192 Lamberti, G. A. 1992. Influence of habitat complexity on resistance to flooding and resilience of stream fish assemblages. *Trans. of Am. Fish Soc.* 121:427-436.
- 3193 Bartholow, J. M., J. L. Laake, C. B. Stalnaker, and S. C. Williamson. 1993. A salmonid population model with emphasis on habitat limitations. Submitted to *Rivers*. U. S. Fish and Wildlife Service, Fort Collins, Co.
- 3194 Washington Department of Fisheries. 1955. Comments regarding the three suggested techniques for assessing downstream migrant salmon mortalities at major dams on the Columbia River.
- 3195 Oregon State Planning Board. 1938. Preliminary program of small dam projects for irrigation in Oregon recommended by the Oregon State Planning Board. Keywords: Rock Creek Dam, Beaver Creek Dam, Clear Lake Dam, Fox Valley Reservoir, West Eagle Creek Dam, Tumalo Creek Dam.
- 3196 Major, R. L. and J. L. Mighell. 1969. Egg to migrant survival of spring chinook salmon (*Oncorhynchus tshawytscha*) in the Yakima River, Washington. *Fishery Bulletin* 67:2 347-359.
- 3197 Kreeger, K. E. and W. J. McNeil. 1993. Summary and estimation of the historic run-sizes of anadromous salmonids in the Columbia and Yakima Rivers.
- 3198 Herrig, R. G. 1966. Lower Crooked River and tributaries rehabilitation project. Oregon State Game Commission, Fisheries Division. Habitat Improvement Project Report No. 13.
- 3199 Howell, G. E., W. E. Holderman, and R. D. Guymon. 1965. State-wide stream improvement stream clearance segment. Oregon State Game Commission, Fisheries Division. Habitat Improvement Project Report No. 14.
- 3200 Williamson, S. C., J. M. Bartholow and C. B. Stalnaker. 1993. Conceptual model for quantifying pre-smolt production from flow-dependent physical habitat and water temperature. *Regulated Rivers: Research and Management* 8: 15-28.
- 3201 Bisson, P. A. and G. E. Davis. 1976. Production of juvenile chinook salmon, *Oncorhynchus tshawytscha*, in a heated model stream. *Fishery Bulletin* 74:4 763-774.
- 3202 Hutchings, J. A. and D. W. Morris. 1985. The influence of phylogeny, size

- and behavior on patterns of covariation in salmonid life histories. *Oikos* 45:118-124.
- 3203 O'Hara, R. J. 1988. Homage to Clio, or, toward an historical philosophy for evolutionary biology. *Syst. Zool.* 37:2 142-155.
- 3204 Petrosky, C. and H. Schaller. 1992. A comparison of productivities for Snake River and Lower Columbia River spring and summer chinook stocks. Prepared for proceedings of salmon management in the 21st Century: Recovering stocks in decline. 1992 Northwest Pacific Chinook and Coho Workshop, Boise, Idaho.
- 3205 Mangel, M. 1994. Climate change and salmonid life history variation. *Deep-Sea Research II* 41:1 75-106.
- 3206 Leider, S. A., P. L. Hulett and T. H. Johnson. 1994. Preliminary assessment of genetic conservation management units for Washington Steelhead: Implications for WDW's draft steelhead management plan and the federal ESA. Washington Department of Wildlife, Olympia, WA.
- 3207 Norgaard, R. B. 1992. Sustainability as intergenerational equity: Economic theory and environmental planning. *Environ Impact Assess Rev* 12:85-124.
- 3208 Cheetham, T. 1993. The forms of life: Complexity, history and actuality.
- 3209 Newton, J. A. 1973. Deschutes River spring chinook salmon (*Oncorhynchus tshawytscha*). A literature review. Oregon State Wildlife Commission.
- 3210 Smith, J. E. 1993. Retrospective analysis of changes in stream and riparian habitat characteristics between 1935 and 1990 in two East Cascade streams. M.S. Univ. of Washington, School of Fisheries.
- 3211 Ferguson, A. and J. B. Taggart. 1991. Genetic differentiation among the sympatric brown trout (*Salmo trutta*) populations of Lough Melvin, Ireland. *Biological J. of the Linnean Soc.* 43: 221-237.
- 3212 Worlund, D. D., R. J. Wahle, and P. D. Zimmer. 1969. Contribution of Columbia River hatcheries to harvest of fall chinook salmon (*Oncorhynchus tshawytscha*). *Fishery Bulletin* 67:2 361-39.
- 3213 Waples, R. S., R. P. Jones, Jr., B. R. Beckman and G. A. Swan. 1991. Status review for Snake River fall chinook salmon. NOAA Technical Memorandum NMFS F/NWC-201.

- 3214 Matthews, G. M. and R. S. Waples. 1991. Status review for Snake River spring and summer chinook salmon. NOAA Technical Memorandum NMFS F/NWC-200.
- 3215 Roger, D.E. and R. Hilborn. 1988. Impact of redd loss at Vernita Bar on Hanford Reach chinook salmon production. Prepared for Bonneville Power Administration, Portland, OR.
- 3216 Dauble, D. D. and D. G. Watson. 1990. Spawning and abundance of fall chinook salmon (*Oncorhynchus tshawytscha*) in the Handord Reach of the Columbia River, 1948-1988. Battelle-Northwest Laboratory, PNL-7289 UC-600.
- 3217 Regier, H. A. 1993. A perspective for fish and fishing in Wisconsin. Institute for Environmental Studies, Univ. of Toronto. Invited paper, Kemp Workshop, Univ. of Wisconsin, Sept 10-12, 1993.
- 3218 Regier, H. S. Draft elements of an ecosystem charter for the Great Lakes - St. Lawrence Basin. Ecosystem Charter Drafting and Advisory Committee Members .
- 3219 Regier, H. S. 1993. Ecoscience as emerging in the Great Lakes Basin. National Water Research Institute, Bulington, Ontario.
- 3220 Northcote, T. G. 1988. Fish in the structure and function of freshwater ecosystems: a top down view. *Can. J. Fish. Aquat. Sci.* 45: 361-379.
- 3221 Salwasser, H. In search of an ecosystem approach to endangered species conservation. In *Balancing on the Brink of Extinction: The Endangered Species Act and lessons for the future*. Island Press, Covelo, California.
- 3222 Sherman, K. 1991. The large marine ecosystem concept: Research and management strategy for living marine resources. *Ecological Applications* 1:41 349-360.
- 3224 Kessler, W. B., H. Salwasser, C. W. Cartwright, Jr., and J. A. Caplan. 1992. New perspectives for sustainable natural resources management. *Ecological Applications* 2:3 221-225.
- 3225 Wevers, M. J. and C. E. Warren. 1986. A perspective on stream community organization, structure, and development. *Arch. Hydrobiol.* 108:2 213-233.
- 3226 Timmerman, P. Mythology and surprise in the sustainable development of the biosphere. Chapter 16 in ...

- 3227 Odum, E. P. 1985. Trends expected in stressed ecosystems. *Bioscience* 35:7 419-422.
- 3228 Rosenberg, A. A., M. J. Fogarty, M. P. Sissenwine, J. R. Beddington, and J. G. Shepherd. Achieving sustainable use of renewable resources. *Science* 262:828-829.
- 3229 Hyman, J. B., K. Wernstedt, and C. M. Paulsen. 1993. Dollars and sense under the Endangered Species Act: Incorporating diverse viewpoints in recovery planning for Pacific Northwest Salmon. Discussion Paper QE93-11, Resources for the Future, Washington, D. C.
- 3230 Sheldon, A. L. 1988. Conservation of stream fishes: Patterns of diversity, rarity, and risk. *Conservation Biology*, 2:2 149-156.
- 3231 Slocombe, D. S. 1993. Implementing ecosystem-based management: Development of theory, practice, and research for planning and managing a region. *BioScience* 43:9612-622.
- 3232 Reisenbichler, R.... Genetic factors contributing to declines of anadromous salmonids in the Pacific Northwest. USFWS, National Fishery Research Center, Seattle, WA. DRAFT
- 3233 Waples, R. S., G. A. Winans, F. M. Utter, and C. Mahnken. 1990. Genetic approaches to the management of Pacific Salmon. *Fisheries* 15:5 19-25.
- 3234 Leigh, E. G., Jr. 1981. The average lifetime of a population in a varying environment. *J. Theor. Biol.* 90: 213-239.
- 3235 Opdam, P. 1991. Metapopulation theory and habitat fragmentation: A review of holarctic breeding bird studies. *Landscape Ecology* 5:2 93-106.
- 3236 Masatoshi, N., T. Maruyama, and R. Chakraborty. 1975. The bottleneck effect and genetic variability in populations. *Evolution* 29:1-10.
- 3237 Washington Department of Game. 1984. A basic fishery management strategy for resident and anadromous trout in the stream habitats of the State of Washington.
- 3238 Rieman, B., D. Lee, J. McIntyre, K. Overton, and Russ Thurow. 1993. Consideration of extinction risks for salmonids. *FHR Currents. Fish Habitat Relationships Technical Bulletin No. 14.*
- 3239 Rieman, B. E., and J. D. McIntyre. 1993. Demographic and habitat requirements for conservation of bull trout. U. S. Forest Service,

Intermountain Research Station General Technical Report INT-302.

- 3240 Parker, R. R. and W. Kirkness. 1956. King salmon and the ocean troll fishery of southeastern Alaska. Alaska Dept. of Fisheries.
- 3241 Hall, J. D. and N. J. Knight. 1981. Natural variation in abundance of salmonid populations in streams and its implications for design of impact studies. To be published in NTIS series.
- 3242 Reisenbichler, R. R. and J. D. McIntyre. Requirements for integrating natural and artificial production of anadromous salmonids in the Pacific Northwest. U.S.F.W.S, Seattle.
- 3243 Seattle Marine Laboratories. 1973. An evaluation of the Washington Dept. of Game's preliminary proposals to compensate game fish losses and for mitigation of wildlife losses.
- 3244 Marcus, M. D., M. K. Young, L. E. Noel, and B. A. Mullan. 1990. Salmonid-habitat relationships in the Western United States: a review and indexed bibliography. U.S. Forest Service, General Technical Report RM-188.
- 3245 Anderson, J. W., J. Johnson, S. Zemke, and F. Oliver. 1985. Smith River Basin anadromous salmonid habitat overview. U.S.B.L.M., U. S. Forest Service, and Oregon Dept of Fish and Wildlife
- 3246 Dept. of Conservation, State of Michigan. 1967. Status report on Great Lakes Fisheries. Fish Management Report No. 2.
- 3247 Flain, M. 1982. Quinnat salmon runs, 1965-78 in the Glenariffe Stream, Rakaia River, New Zealand. Fisheries Research Division, Occasional Publication No. 28.
- 3248 Rickert, D. A., G. L. Beach, J. E. Jackson, D. M. Anderson, H. H. Hazen, and E. Suwijn. 1978. Oregon's procedure for assessing the impacts of land management activities on erosion related nonpoint source problems. Oregon 208 Nonpoint Source Assessment Project.
- 3249 University of Washington, 1990. New perspectives for watershed management: balancing long-term sustainability with cumulative environmental change. Nov. 27-29, 1990.
- 3250 Jester, D. B., Jr. and J. A. Scott. 1981. Strategy for managing Michigan's fisheries. Michigan Dept. of Natural Resources., Lansing Michigan.

- 3251 Nicholas, J. W. and T. W. Downey. 1989. Looking back on two decades of work at Elk River hatchery: has there been harmony between the natural and artificial production systems? and has Elk River been a prototype conservation hatchery? Draft.
- 3252 Great Lakes Fishery Commission. 1980. A joint strategic plan for management of Great Lakes fisheries.
- 3253 Washington State Planning Council, Forestry Report. 1934 ???
- 3254 Tuttle, M. E., J. A. Richards, and R. J. Wahle. 1973. Partial net economic values for salmon and steelhead. National Marine Fisheries Service.
- 3255 Hammond, R. J. Critique of current approach to benefit-cost analysis.
- 3256 Gordon, D., D. W. Chapman and T. C. Bjorn. 1973. Economic evaluation of sport fisheries - what do they mean? Trans. Am. Fish. Soc. 293-311.
- 3257 Platts, W. S. and F. E. Partridge. 1978. Rearing of chinook salmon in tributaries of the South Fork Salmon River, Idaho. Intermountain Forest and Range Experiment Station, Research Paper INT-205, Ogden, Utah.
- 3258 Hammer, Russel. 1977. Fishery evaluation for Eugene District stream improvement structures.
- 3259 Zubik, R. J. and J. J. Fraley. 1988. Comparison of snorkel and mark-recapture estimates for trout populations in large streams. North Am. J. of Fish. Management 8:58-62.
- 3260 Hume, J. M. and E. A. Parkinson. 1988. Effects of size at and time of release of survival and growth of steelhead fry stocked in streams. North Am. J. of Fish. Management 8:50-57.
- 3261 Baxter, R. M. and P. Glaude. 1980. Environmental effects of dams and impoundments in Canada: experience and prospects. Can. Bull. of Fish. and Aquatic Sciences, Bulletin 205.
- 3262 Washington Department of Game. 1987. A survey of resident game fish anglers in Washington.
- 3263 Martin, N. V. and F. E. J. Fry. 1973. Lake Opeongo: the ecology of the fish community and of man's effects on it. Great Lakes Fishery Commission, Ann Arbor, MI.

- 3264 Berst, A. H. and G. R. Spangler. 1973. Lake Huron: the ecology of the fish community and man's effects on it. Great Lakes Fishery Commission, Technical Report No. 21. Ann Arbor, MI.
- 3265 Christie, W. J. 1973. A review of the changes in the fish species composition of Lake Ontario. Great Lakes Fishery Commission, Technical Report No. 23. Ann Arbor, MI.
- 3266 Lockard, F. R. 1982. Strategies for Washington's Wildlife. Washington State Department of Game.
- 3267 Nagel, E. 1939. Principles of the theory of probability. International Encyclopedia of Unified Science. University of Chicago Press. Chicago.
- 3268 Washington Department of Fisheries. 1987. Watershed planning proposed enhancement report.
- 3269 Canadian Resourcecon Limited. 1979. Economic and resource management aspects of the commercial use of fish and wildlife resources in British Columbia. Prepared for Min. of Environment, Fish and Wildlife Branch, Victoria, B.C.
- 3270 Schindler, D. W. 1987. Detecting ecosystem responses to antropogenic stress. Can. J. Fish. Aquat. Sci. 44:(Suppl 1) 6-25.
- 3271 Shochat, E. 1993. Altering Alaskan salmon habitat and natural history: potential impacts on bald eagles and other vertebrates. B. S. Thesis, Rutgers College, Dept. of Biological Sciences.
- 3272 Promislow, D. E. L. and P. H. Harvey. 1990. Living fast and dying young: a comparative analysis of life-history variation among mammals. J. Zool., 220: 417-437.
- 3273 Quinn, T. P. and R. F. Tallman. 1987. Seasonal environmental predictability and homing in riverine fishes. Environmental Biol. of Fishes 18:2 155-19.
- 3274 Silliman, R. P. 1941. Fluctuations in the diet of the chinook and silver salmon (*Oncorhynchus tshawytscha* and *O. kisutch*) off Washington, as related to the troll catch of salmon. COPEIA July 8, 1941, 80-87.
- 3275 L'Abbe-lund, J. H., B. Jonsson, A. J. Jensen, L. M. Saettem, T. G. Heggberget, B. O. Johnsen and T. F. Naesje. J. of An. Ecology 58: 525-542.

- 3276 Metcalfe, N. B. and J. E. Thorpe. 1990. Determinants of geographical variation in the age of seaward-migrating salmon, *salmo salar*. *J. of An. Ecology*. 59: 135-145.
- 3277 Stearns, S. C. 1982. The emergence of evolutionary and community ecology as experimental sciences. *Perspectives in Biology and Medicine* 25:4 621-648.
- 3278 Southwood, T. R. E. 1988. Tactics, strategies and templets. *OIKOS* 52: 3-18.
- 3279 Rich, W. 1927. Growth and degree of maturity of chinook salmon in the ocean. *Bulletin of the U. S. Bureau of Fisheries*. Vol. XLI. 1925.
- 3280 Frissell, C. A., C. A. Corrarino, and W. J. Liss. Stream habitat, timber harvest, and cutthroat trout in an Oregon Cascades stream: application of a geomorphic habitat classification system. Dept. of Fisheries and Wildlife, Oregon State University, Manuscript.
- 3281 Hibbard, M. and L. Davis. 1986. When the going gets tough: economic reality and the cultural myths of small-town America. *APA Journal* 419-428.
- 3282 Higgins, E. 1928. Progress in biological inquiries. Including proceedings of the divisional conference, Jan. 4-7, 1927. *Bureau of Fisheries Document No. 1029*. Annual Report of the Commissioner of Fisheries.
- 3283 Baxter, G., 1961. River utilization and the preservation of migratory fish life. *Proceedings of the Institution of Civil Engineers*. Vol. 18 Jan to Apr 1961.
- 3284 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.
- 3285 Sedell, J. R., F. H. Everest, and D. R. Gibbons. 1987. Streamside vegetation management for aquatic habitat. In *Proceedings of the National Silviculture Workshop*. Silviculture for all resources. May 11-14, 1987. U.S. Forest Service, Timber Management, Washington, D.C.
- 3286 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. *Can. J. Fish. Aquat. Sci.* 45: 2080-2086.

- 3287 Scrivener, J. C. and M. J. Brownlee. 1989. Effects of forest harvesting on spawning gravel and incubation survival of chum (*Oncorhynchus keta*) and coho salmon (*O. kisutch*) in Carnation Creek, British Columbia. *Can. J. Fish. Aquat. Sci.* 46: 681-696.
- 3288 Linkage of Terrestrial and Aquatic Ecosystems. Chapter 10 in *Geomorphic Processes*. 239-262.
- 3289 Swanson, F. J., S. V. Gregory, J. R. Sedell, and A. G. Campbell. Land-water interactions: the riparian zone.
- 3290 Oliver, C. D. 1986. A big-picture overview introduces a six-part series on regional trends. In subsequent issues, field reports from the Pacific Coast, the south, the northeast, the north central, and the Rocky Mountains will complete the picture. *The Next 30 Years Silviculture the Past 30 Years. Part I: Overview. J. of Forestry. April Issue* 32-42.
- 3291 Tappeiner, J. C. II, W. H. Knapp, C. A. Wierman, W. A. Atkinson, C. D. Oliver, J. E. King and J. C. Zasada. 1986. Adapting practices to local concerns in Alaska, Washington, Oregon and California. *The Next 30 Years Silviculture the Past 30 Years. Part II: The Pacific Coast. J. of Forestry. May Issue* 37-46.
- 3292 Harris, L. D. 1985. Forest and wildlife dynamics in the southeast. P. 306-323 in R. H. Waring and W. H. Schlesinger, *Forest Ecosystems Concepts and Management*.
- 3293 Harris, L. D., C. Maser, and A. McKee. Patterns of old growth harvest and implications for Cascades wildlife. In *Forty-Seventh North American Wildlife Conference*, 374-392.
- 3294 Cummins, K. W. The multiple linkages of forest to streams. In *Forests: Fresh Persp. from Ecosystem Analysis. Proceedings of the 40th Annual Biology Colloquim*, Oregon State University Press.
- 3295 Brannon, E. M. 1929-30. *Ditch Screen Reports*.
- 3296 Frissell, C. A. 1992. Cumulative effects of land use on salmon habitat in Southwest Oregon coastal streams. Ph.D. Thesis, Fisheries Science, Oregon State University.
- 3297 Ricker, W. E. 1973. Linear regressions in fishery research. *J. Fish. Res. Board of Can.* 30:409-434.
- 3298 Washington Dept. of Fisheries. 1990. I. Economic analysis of changes in

- recreational bag limit, area restriction on commercial jig fleet, and limit on incidental rockfish harvest by other hook-and line commercial fisheries in Washington. II. Report to the Pacific Fisheries Management Council on the Washington fishery for black rockfish and a request for management action.
- 3299 Reisenbichler, R. R. 1985. Use of hatcheries in management of anadromous fish. Aquaculture in USSR & USA, Proceedings of the Soviet-American Symposium.
- 3300 Gulland, J. A. 1975. Manual of methods for fisheries resource survey and appraisal. Part 5: Objectives and Basic Methods. FAO Fisheries Technical Paper No. 145, Rome.
- 3301 Schaefer, M. B. 1951. Estimation of size of animal populations by marking experiments. Fishery Bulletin 69, U. S. Fish and Wildlife Service. Washington, DC.
- 3302 National Council of the Paper Industry for Air and Stream Improvement, Inc. 1987. Managing Oregon's Riparian zone for timber, fish and wildlife. Technical Bulletin No. 514.
- 3303 Bakkala, R. G. 1970. Synopsis of biological data on the chum salmon, *Oncorhynchus keta* (Walbaum) 1792. FAO Species Synopsis No. 41, Circular 315, Washington, DC.
- 3304 Mason, D. T. and D. Bruce. 1931. Sustained yield forest management as a solution to American forest conservation problems. Mason and Stevens, Portland, OR.
- 3305 Hubbert, M. K. 1974. World Energy Resources. 10th Commonwealth Mining and Metallurgical Congress. Ottawa, CA.
- 3306 Patino, R. 1988. Physiology of interrenal function in juvenile coho salmon (*Oncorhynchus kisutch*) and effects of hatchery rearing practices. Ph.D. Dissertation, Department of Fisheries and Wildlife, Oregon State University, Corvallis, OR.
- 3307 Lee, K. N. 1991. Implementing adaptive management. The Northwest Environmental Journal 7:136-150.
- 3308 Estimated potential and existing value of the Elwha River for production of anadromous salmonids.
- 3309 Conquest, L. L. 1983. Assessing the statistical effectiveness of ecological

- experiments: Utility of the coefficient of variation. Intern. J. Environmental Studies, 20:209-221.
- 3310 Conquest, L. L. and K. M. Lohman. 1988. Statistical principles for water quality monitoring. Handout, Puget Sound Water Quality Authority.
- 3311 After Gilbert, 1987. Design and analysis process for an environmental sampling study.
- 3312 Haug, P. T. 1988. Protocols for conducting a cooperative monitoring, research, and evaluation program. Timber Fish and Wildlife, Washington Dept. of Wildlife.
- 3313 Tiedemann, A. R. 1973. Stream chemistry following a forest fire and urea fertilization in North-Central Washington. PNW-203, U.S. Forest Service Research Note. Portland, OR.
- 3314 McConnell, W. J., E. P. Bergersen, K. L. Williamson. 1982. Habitat suitability index models: A low effort system for planned coolwater and coldwater reservoirs. U. S. Fish and Wildlife Service, Biological Services Program, FWS/OBS-82/10.3.
- 3315 McGie, A. 1986. Guidelines for stocking salmonids in streams..... copies of chinook salmon section.
- 3316 Silliman, R. P., W. H. Rich, and F. G. Bryant. 1947. Intraseasonal and Interseasonal variations in average weight of Columbia River chinook salmon (*Oncorhynchus tshawytscha*) 1939-1945. Fish and Wildlife Service Special Scientific Report No. 34.
- 3317 Gangmark, H. A. 1957. Fluctuations in abundance of Columbia River chinook salmon 1924-54. U. S. Fish and Wildlife Service. Special Scientific Report, Fisheries No. 189.
- 3318 Rich, W. H. 1940. Fishery problems raised by the development of water resources. In Dams and the problem of migratory fishes. Dept. of Research, Fish Commission of the State of Oregon, Contribution No. 2, Salem, OR.
- 3319 Rich, W. H. 1940. The future of the Columbia River salmon fisheries. Reprinted from Stanford Ichthyological Bulletin (Vol 2 No. 2), Dept. of Research, Fish Commission of the State of Oregon, Contribution No. 6, Salem, OR.
- 3320 Craig, J. A. and A. J. Suomela. 1940. A survey of the Sandy River and its

- tributaries, 1940, with reference to fish management. U. S. Fish and Wildlife Service, Special Scientific Report No. 14. Washington, DC.
- 3321 Fish, F. F. and M. G. Hanavan. 1948. A report upon the Grand Coulee fish-maintenance project 1939-1947. U. S. Fish and Wildlife Service, Special Scientific Report No. 55. Washington, DC.
- 3322 Silliman, R. P. 1948. Estimation of the troll catch of Columbia River chinook salmon, *Oncorhynchus tshawytscha*. U. S. Fish and Wildlife Service, Special Scientific Report No. 50. Washington, DC.
- 3323 Bryant, F. G. 1949. A survey of the Columbia River and its tributaries with special reference to the management of its fishery resources. 2. Washington streams from the mouth of the Columbia River to and including the Klickitat River (Area I). U. S. Fish and Wildlife Service, Special Scientific Report 62.
- 3324a Thompson, R. N. and J. B. Haas. 1960. Environmental survey report pertaining to salmon and steelhead in certain rivers of eastern Oregon and the Willamette River and its tributaries. Part I. Survey reports of Eastern Oregon Rivers. Fish Commission of Oregon, Clackamas, OR.
- 3324b Haas, J. B., and H. C. Warren. 1961. Environmental survey report pertaining to salmon and steelhead in certain rivers of eastern Oregon and the Willamette River and its tributaries. Part III. Survey reports of the Deschutes and John Day Rivers and Fifteenmile Creek. Fish Commission of Oregon, Portland, OR.
- 3325 Stevens, J. C. 1910. Water Powers of the Cascade Range. Part I. Southern Washington. U. S. Geological Survey, Water-Supply Paper 253.
- 3326 Chapman, D. G. and W. S. Overton. 1966. Estimating and testing differences between population levels by the Schnabel estimation method. *J. Wildlife Mgt.* 30: 173-180.
- 3327 Davis, W. S. Graphic representation of confidence intervals for Petersen population estimates. *Trans. Am. Fish. Soc.*....
- 3328 Wahle, R. J. 1984. Columbia River, Willamette River, and Oregon coastal stream and facilities that produce chinook and coho salmon. Tables produce by Roy Wahle.
- 3329 Cummings, E. 1979. Spawning coho, chinook, and chum salmon surveys in coastal watersheds of Oregon, 1978. Oregon Dept. of Fish and Wildlife.

- 3330 List of Fish Commission of Oregon Reports from 1947 to 1975.
- 3331 Berry, R. L. 1975. Spawning salmon surveys in coastal watersheds, 1974. Coastal Rivers Information Report 75-4 Oregon Dept. of Fish and Wildlife.
- 3332 .. 1964. Distribution of chinook salmon fry in sunshine creek. A tributary of the Siletz River.
- 3333 Population estimates of coho salmon fingerlings in coastal streams in 1963.
- 3334 McGie, A. M. 1980. Spawning chinook, coho and chum salmon surveys in coastal watersheds of Oregon, 1979. Oregon Dept. of Fish and Wildlife, Charleston, OR.
- 3335 McGie, A. M. 1984. Status of chum salmon stocks in the Tillamook Bay region. Oregon Dept. of Fish and Wildlife, Charleston, OR.
- 3336 Fischer, D. W. and G. S. Davies. 1973. An approach to assessing environmental impacts. *J. of Environmental Management* 1:207-227.
- 3337 Robson, D. S. and H. A. Regier. 1964. Sample size in Petersen Mark-recapture experiments. *Trans. of Am. Fish. Soc.* 93:3 215-226.
- 3338 Harris, M., D. G. Horvitz, and A. M. Mood. 1948. On the determination of sample sizes in designing experiments. *Am. Statistical Association Journal.* 391-402.
- 3339 Wedemeyer, G. A. and W. T. Yasutake. 1977. Clinical methods for the assessment of the effects of environmental stress on fish health. U. S. Fish and Wildlife, Technical Paper 89, Washington, DC.
- 3340 Jeffers, J. N. R. 1978. *An Introduction to Systems Analysis: With Ecological Applications.* University Park Press, Baltimore, MD.
- 3341 Yancey, R. M. and F. V. Thorsteinson. 1963. The king salmon of Cook Inlet, Alaska. U. S. Fish and Wildlife Service, Special Scientific Report—Fisheries No. 440.
- 3342 Henry, K. A. Analysis of factors affecting the production of chum salmon (*Oncorhynchus keta*) in Tillamook Bay. Fish Commission of Oregon, Contribution No. 18, Portland, OR.
- 3343 Henry, K. A. 1964. Oregon coastal salmon and steelhead tagging programs. Fish Commission of Oregon, Portland, OR.

- 3344 Morgan, A. R. 1954. Oregon coastal salmon and steelhead tagging programs. Fish Commission of Oregon. Contribution No. 28, Portland, OR.
- 3345 Gharrett, J. T. and J. I. Hodges. 1950. Salmon fisheries of the coastal rivers of Oregon south of the Columbia. Oregon Fish Commission Contribution no. 13, Portland, OR.
- 3346 Phenicie, C. K. and J. R. Lyons. 1973. Tactical planning in fish and wildlife management and research. U. S. Fish and Wildlife Service, Resource Publication 123, Washington, DC.
- 3347 Haupt, H. F. 1959. A method for controlling sediment from logging roads. Intermountain Forest and Range Experiment Station, Misc. Pub. No. 22, Ogden, UT.
- 3348 U. S. Dept. of Interior, Fish and Wildlife Service and Dept. of Commerce. 1982. 1980 National survey of fishing, hunting, and wildlife-associated recreation.
- 3349 Schamberger, M., A. H. Farmer, and J. W. Terrell. 1982. Habitat suitability index models: Introduction. Office of Biological Service and Div. of Ecological Services, U. S. Fish and Wildlife Service, Washington, DC.
- 3350 Aggus, L. R. and W. M. Bivin. 1982. Habitat suitability index models: regression models based on harvest of coolwater and coldwater fishes in reservoirs. U. S. Fish and Wildlife Service, FWS/OBS-82/10.25.
- 3351 Terrell, J. W., T. E. McMahon, P. D. Inskip, R. F. Raleigh, and K. L. Williamson. 1982. Habitat suitability index models: Appendix A. Guidelines for riverine and lacustrine applications of fish HSI models with the habitat evaluation procedures. U. S. Fish and Wildlife Service, FWS/OBS-82/10.A.
- 3352 Eberhardt, L. L. 1973. An analysis of indirect and delayed ecological effects of nuclear power plants. Rough Draft.
- 3353 Herrington, W. C. and R. A. Nesbit. 1943. Fishery Management. U. S. Fish and Wildlife Service, Special Scientific Report No. 18.
- 3354 Kincaid, H. L. 1981. Trout strain registry. National Fisheries Center-Leetown, U. S. Fish and Wildlife Service, FWS/NFC-L/81-1.
- 3355 Expert Consultation on Management of Multispecies Fisheries. 1977. Some

- scientific problems of multispecies fisheries. FAO Fisheries Technical Paper 181, Rome.
- 3356 U. S. Fish and Wildlife Service, 1988. Endangered Species Act of 1973 as Amended through the 100th Congress. Washington, DC.
- 3357 Woody, J. 1992. A dubious battle to save the Kemp's Ridley Sea Turtle. *Science* 256: 614-616.
- 3358 Waples, R. S. 1991. Definition of "species" under the Endangered Species Act: application to Pacific salmon. NOAA Technical Memorandum NMFS F/NWC-194.
- 3359 Setzler, E. M., W. R. Boynton, K. V. Wood, H. H. Zion, L. Lubbers, N. I. Mountford, P. Frere, L. Tucker and J. A. Mihursky. 1980. Symposium of biological data on striped bass, *Morone saxatilis* (Walbaum). NOAA Technical Report NMFS Circular 433.
- 3360 Evans, W. A. 1972. Fish migration and fish passage: A practical guide to solving fish passage problems. USDA Forest Service - Region 5.
- 3361 MacPhee, C. and F. J. Watts. 1975. Swimming performance of arctic grayling in highway culverts. Progress Report to U. S. Fish and Wildlife Service, Anchorage, AK.
- 3362 Kimura, D. K., N. A. Lemberg, and M. G. Pedersen. 1981. Status of the central Puget Sound hake population in 1980. State of Washington Dept. of Fisheries, Technical Report No. 62.
- 3363 Northcote, T. G. 1992. Migration and residency in stream salmonids - some ecological considerations and evolutionary consequences. *Nordic J. Freshw. Res* 67:5-17.
- 3364 Cuenco, M. L., T. W. H. Backman, and P. R. Mundy. 1993. The use of supplementation to aid in natural stock restoration. Pages 269-293 in J. G. Cloud and G. H. Thorgaard, (eds.) *Genetic Conservation of Salmonid Fishes*, Plenum Press, New York, NY.
- 3365 Gharrett, A. J. and W. W. Smoker. 1991. Two generations of hybrids between even- and odd-year pink salmon (*Oncorhynchus gorbuschia*): a test for outbreeding depression? *Can. J. Fish. Aquat. Sci.* 48: 1744-1749.
- 3366 Fryer, J. K. and P. R. Mundy. 1993. Determining the relative importance of survival rates at different life history stages on the time required to double adult salmon populations. Pages 219-223 in R. J. Gibson and R.

- E. Cutting (eds.) Production of Juvenile Atlantic Salmon, *Salmo salar*, in Natural Waters. Can. Spec. Publ. Fish. Aquat. Sci. 118.
- 3367 Carthy, J. D. and D. A. Arthur. 1968. The Biological Effects of Oil Pollution on Littoral Communities. (eds.) Proceedings of a symposium held at the Orielton Field Centre, Pembroke, Wales, on 17-19th February, 1968. Published by Field Studies Council, Supplement to Vol. 2 of Field Studies.
- 3368 Anderson, H. M. and C. Gehrke. 1988. Water quality and timber management. National Forests Policies for the Future Vol 1, The Wilderness Society.
- 3369 Frissell, C. A. Water quality, fisheries, and aquatic biodiversity under two alternative forest management scenarios for the west-side federal lands of Washington, Oregon, and northern California. A report prepared for the Wilderness Society.
- 3370 Anderson, H. M. and J. T. Olson. 1991. Federal forests and the economic base of the Pacific Northwest: A study of regional transitions. The Wilderness Society.
- 3371 Bottom, D. L., K. K. Jones, J. D. Rodgers, and R. F. Brown. 1993. Research and management in the northern California Current ecosystem. Pages 259-271 in K. Sherman, L. M. Alexander, and B. D. Gold, (eds.) Large Marine Ecosystems: Stress, Migration, and Sustainability. AAAS Press, Washington, DC.
- 3372 Franklin, J. F. Scientific basis for new perspectives in forests and streams. Pages 25-72 in R. J. Naiman Watershed Management; Balancing Sustainability and Environmental Change.
- 3373 Platts, W. S. and D. W. Chapman. 1992. Status of chinook salmon spawning and rearing habitat in the Salmon River drainage. Don Chapman Consultants, Inc., Boise, ID.
- 3374 Bjornn, T. C. 1987. A model for predicting production and yield of Tucannon River salmon and steelhead stocks in relation to land management practices. Technical Report 87-1, Idaho Cooperative Fish and Wildlife Research Unit, University of Idaho, Moscow, ID.
- 3375 Burget, R., K. Petersen, G. Mendel, L. Ross, D. Milks, J. Dedloff and M. Alexandersdottir. 1992. Lower Snake River compensation plan, Tucannon River spring chinook salmon hatchery evaluation program. 1991 Annual Report, Washington Department of Fisheries, Olympia, WA.

- 3376 Healey, M. C. 1982. Catch, escapement and stock-recruitment for British Columbia chinook salmon since 1951. Canadian Technical Report of Fisheries and Aquatic Sciences No. 1107. Nanaimo, B. C.
- 3377 Resource Guide to Aquaculture Information. - kept at my desk.
- 3378 Aquaculture in the Northeast Pacific: A Bibliography. Bibliography. USDA, Nat. Agric. Lib., February 1990.
- 3379 Interactions of Aquaculture, Marine Coastal Ecosystems, and Near-Shore Waters: A Bibliography. USDA, Nat. Agric. Lib., May 1991.
- 3380 Sedell, J. R. and K. J. Luchessa. 1981. Using the historical record as an aid to salmonid habitat enhancement. Pages 210-223 in N. B. Armantrout (ed.) Acquisition and Utilization of Aquatic Habitat Inventory Information. Proceedings of a Symposium, Oct. 28-30, 1981, Portland, OR. Western Div. Am. Fish. Soc.,
- 3381 Junge, C. O., Jr., 1963. A quantitative evaluation of the bias in population estimates based on selective samples. Reprint from I. C. N. A. F. Spec. Publ. No. 4. 26-28.
- 3382 Hicks, R. H. and L. D. Calvin. 1964. An evaluation of the punch card method of estimating salmon-steelhead sprot catch. Ag. Exp. Station, Tech. Bulletin 81, OSU, Corvallis, OR.
- 3383 Safina, Carl. 1992. Conserving Pacific Salmon. Book Draft 12/92
- 3384 Cramer, S. P. 1991. Northeast Oregon salmon and steelhead production facilities: Genetic risk assessment of the Hood River component. Nez Perce Tribe, Umatilla Confederated Tribes, Warm Springs Confederated Tribes and Oregon Department of Fish and Wildlife. Draft.
- 3385 Regier, H. A., R. L. Welcomme, R. J. Steedman, and H. F. Henderson. 1989. Rehabilitation of degraded river ecosystems. Pages 86-97 in D. P. Dodge (ed) Proceedings of the International Large River Symposium. Can. Spec. Pub. Fish. Aquat. Sci. 106.
- 3386 Rapport, D. J., H. A. Regier, and T. C. Hutchinson. 1985. Ecosystem behavior under stress. The Am. Naturalist 125:5 617-640.
- 3387 Beschta, R. L., W. S. Platts, and B. Kaufmann. 1991. Field review of fish habitat improvement projects in the Grande Ronde and John Day River basins of eastern Oregon.

- 3388 Rapport, D. J. 1989. What constitutes ecosystem health? Perspectives in Biology and Medicine 33:1 120-132.
- 3389 Reeves, G. H. and James R. Sedell. 1992. An ecosystem approach to the conservation and management of freshwater habitat for anadromous salmonids in the Pacific Northwest. Tans. 57th N. A. Wildl. and Nat. Res. Conf.408-415.
- 3390 Memorandum from Harry Wagner 1985, regarding Spawning Fish Survey Program. Enclosed memo from Al McGie.
- 3391 Leavell, W. G. 1985. Memo regarding Bureau of Land Management's stream improvement plan designed to produce more than 50,000 additional salmon, steelhead, and cutthroat trout.
- 3392 Bureau of Land Management. 1989. Fisheries habitat management on public lands: A strategy for the future.
- 3393 U.S. Forest Service and Bureau of Land Management. 1988. Recreational Fisheries Policy.
- 3394 Halbert, C. L. 1993. Procedural strategy for conducting historical analysis: incorporating natural history and sociological factors. Page 427-437 in Changing Roles in Water Resources Management and Policy. Proceedings from Sumposia on Water Resources Education: A Lifetime of Learning. June 27-30, 1993 Sponsored by American Water Resources Association.
- 3395 National Marine Fisheries Service. 1984. A new management structure for anadromous salmon and steelhead resources and fisheries of the Washington and Columbia River conservation areas. Report of the Salmon and Steelhead Advisory Commission, Seattle, WA.
- 3396 Dziedzic, G. 1989. Negotiations: art or science? Draft of Panel Discussion Comments, Western Association of Fish and Wildlife Agencies, July 1989. Seattle, WA.
- 3397 Washington Forest Protection Association. 1993. Wildlife protection through landscape management.
- 3398 Oregon Department of Fish and Wildlife and U. S. Forest Service. 1977. A statewide comprehensive plan for fish and wildlife of the national forests in the State of Oregon.
- 3399 Ehrenfeld, D. 1991. The management of diversity: a conservation paradox.

Pages 26-39 in F. H. Bormann and S. R. Kellert (eds) Ecology, Economics, Ethics: The Broken Circle. Yale University Press, London.

- 3400 Washington State. 1987. Timber/Fish/Wildlife Agreement: A better future in our woods and streams. Final Report. (Also Fiscal Year 1990)
- 3401 Schuett-Hames, D., L. Bullchild, S. Hall, and A. Pleus. 1992. T-F-W Ambient monitoring manual. Northwest Indian Fisheries Commission, TFW-AM9-92-002.
- 3402 U. S. Forest Service. 1988. From the forest to the sea: a story of fallen trees. General Technical Report PNW-GTR-229.
- 3403 Columbia Basin salmon and steelhead analysis. Summary Report, September 1, 1976. No other info.
- 3404 Flathead Basin Commission. 1991. Flathead Basin forest practices water quality and fisheries cooperative program. Final Report. Kalispell, MT.
- 3405 Lestelle, L. C., G. R. Blair, and S. A. Chitwood. ... Approaches to supplementing coho salmon in the Queets River, Washington. In Implications of Managing Enhanced Stocks Session. 104-119.
- 3406 McIntyre, J. D. and J. A. Lichatowich. 1979. Coordination of the Trinity River Basin fish and wildlife task force fishery projects. Final Report to the Bureau of Reclamation, U. S. Fish and Wildlife Service, Red Bluff, CA.
- 3407 Hankin, D. G. and N. Diamond. ...A data compilation of marked releases and recoveries of fall chinook salmon from the Klamath River system: 1977-1983. Department of Fisheries, Humboldt State University, Arcata, CA.
- 3408 Comment on fecundity of chinook salmon and its relevance to life history theory. Misc. draft - no author.
- 3409 U. S. Fish and Wildlife Service. Annual Report Klamath River fisheries investigation program, 1981. 1982. Gary Rankel (ed). Fisheries Assistance Office, Arcata, CA.
- 3410 Humphreys, W. R. Self-cleaning downstream migrant trap. Misc. manuscript, Oregon State Game Commission.
- 3411 Bennett, D. H., L. K. Dunsmoor and J. A. Chandler. 1988. Fish and Benthic Community Abundance at Proposed In-Water Disposal Sites in

Lower Grantic Reservoir, Washington. Army Corps of Engineers, Walla Walla, WA.

- 3412 Dow, R. L., F. W. Bell and D. M. Harriman. 1975. Bioeconomic relationships for the Maine lobster fishery with consideration of alternative management schemes. NOAA Technical Report NMFS SSRF-683, Seattle, WA.
- 3413 Crutchfield, J. A. and D. MacFarlane. 1968. Economic valuation of the 1965-1966 salt-water fisheries of Washington. Department of Fisheries, State of Washington, Research Bulletin No. 8.
- 3414 Paulik, G. J. 1973. Studies of the possible form of the stock-recruitment curve. Pages 302-315 in B. B. Parrish (ed) Fish Stocks and Recruitment. Proceedings of a symposium held in Aarhus 7-10, July 1970. Rapports et proces-Ver des Reunions Vol. 164.
- 3415 FAO. 1981. Methods of collecting and analysing size and age data for fish stock assessment. FAO Fisheries Circular No. 736.
- 3416 Bottom, D. L., K. K. Jones, J. D. Rodgers, and R. F. Brown. 1989. Management of living marine resources: A research plan for the Washington and Oregon continental margin. Oregon Department of Fish and Wildlife, Pub No. NCRI-T-89-004.
- 3417 Bolsinger, C. L., 1972. Changes in commercial forest area in Oregon and Washington, 1945-70. Pacific Northwest Forest and Range Exp. Station, Resource Bulletin PNW-46, Portland, OR.
- 3418 General Accounting Office. 1990. Plant germplasm: a data collection framework and questionnaire. GAO/PEMD-91-5B Vols. 1-2 Washington, DC.
- 3419 Cormack, R. M. 1968. The statistics of capture-recapture methods. *Oceanogr. Mar. Biol. Ann. Rev.* 6: 455-506.
- 3420 Duckman, M. Statistical Methods - time series.
- 3421 Fisher, R. A. 1930. Inverse probability. *Proc. Camb. Royal Phil. Soc.* 26: 528-535.
- 3422 Washington State Department of Ecology. 1988. Final Report of the Washington State Water use Efficiency Study Committee.
- 3423 Engels, J. D. 1975. Use of Gabions in stream habitat improvement. Bureau

of Land Management, Eugene, OR.

- 3424 Little, T. M. and F. J. Hills. Statistical methods in agricultural research....
- 3425 Brocksen, R. W., G. E. Davis, and C. E. Warren. 1968. Competition, food consumption, and production of sculpins and trout in laboratory stream communities. *J. of Wildlife Mgt.* 32:1 51-75.
- 3426 Warren, C. E., J. H. Wales, G. E. Davis, and P. Doudoroff. 1964. *J. of Wildlife Mgt.* 28:4 617-660.
- 3427 Brocksen, R. W., G. E. Davis, and C. E. Warren. The analysis of trophic processes on the basis of density-dependent functions. Technical Paper 2515, Oregon Agricultural Experiment Station, Corvallis, OR.
- 3428 Duff, D. A. M. Gnehm, T. Shrader, and L. Howard. ... Indexed bibliography on stream habitat improvement. U. S. Forest Service, Intermountain Region, Ogden, UT.
- 3429 Simenstad, C. A., W. J. Kinney, S. S. Parker, E. O. Salo, J. R. Cordell and Hannele Buechner. 1980. Prey community structure and trophic ecology of outmigrating juvenile chum and pink salmon in Hood Canal, Washington. College of Fisheries, University of Washington, FRI-UW-8026.
- 3430 Bugert, R., C. Busack, G. Mendel, K. Petersen, D. Marbach, L. Ross, and J. Dedloff. 1991. Lyons Ferry fall chinook salmon hatchery evaluation program. Washington Dept. of Fisheries, 1990 Progress Report. Lower Snake River Comprehensive Plan Hatchery Program. AFF 1/LSR-91-15.
- 3431 Massey, J. B. 1967. The downstream migration of juvenile anadromous fish at Willamette Falls, Oregon. Columbia River Fishery Development Program Progress Report, Portland, OR.
- 3432 Pacific Northwest River Basins Commission Urban and Rural Related Lands Committee. 1972. Ecology and the economy: a concept for balancing long-range goals. The Pacific Northwest Example.
- 3433 Oregon Department of Fish and Wildlife. 1992. Effects of Lost Creek Dam on fall chinook salmon in the Rogue River: Phase II completion report. Rogue Basin Fisheries Evaluation Project, Research and Development Section, Portland, OR.
- 3434 Bennett, D. H., J. A. Chandler, and G. Chandler. 1991. Lower Granite Reservoir in-water disposal test: results of the fishery, benthic and habitat

- monitoring program-year 2 (1989). Completion Report. U.S. Army Corps of Engineers, Walla Walla District.
- 3435 Bennett, D. H., and F. C. Shrier. 1986. Effects of sediment dredging and in-water disposal of fishes in Lower Granite Reservoir, ID-WA. Completion Report. U. S. Army Corps of Engineers.
- 3436 Buettner, E. W. 1992. Smolt monitoring at the head of Lower Granite Reservoir and Lower Granite Dam. Annual Report for 1991 Operations. Bonneville Power Administration DOE/BP 11631-8, Portland, OR.
- 3437 Giorgi, A. E., L. Stuehrenberg, and J. Wilson. 1988. Juvenile radio-tag study: Lower Granite Dam, 1985-86. Bonneville Power Administration DOE/BP21237-2, Portland, Or.
- 3438 Skalski, J. R., A. Hoffmann, and S. G. Smith. 1993. Development of survival relationships using concomitant variables measured from individual smolt implanted with pit-tags. Annual Report 1990-1991. Bonneville Power Administration DOE/BP02341-1, Portland, Or.
- 3439 Johnsen, R. C., L. A. Wood, and W. W. Smith. 1986. Monitoring of downstream salmon and steelhead at federal hydroelectric facilities-1986. Annual Report. Bonneville Power Administration DOE/BP20733-2, Portland, Or.
- 3440 Harmon, J. R. and E. Slatick. 1986. Use of a fish transportation barge for increasing returns of steelhead imprinted for homing. Bonneville Power Administration DOE/BP, Portland, Or.
- 3441 Carlson, C. and M. Dell. 1992. Vernita Bar Monitoring for 1991-1992. Annual Report. PUD of Grant County.
- 3442 Lawson, P. W. 1993. Cycles in ocean productivity, trends in habitat quality, and the restoration of salmon runs in Oregon. Fisheries 18:8 6-10.
- 3443 Six, L. D. 1982. Salmon plan performance evaluation: An evaluation of the Pacific Fishery Management Council's Ocean Salmon Management Plans and amendments for the years 1977 through 1980.
- 3444 Grant, K. R. 1993. Historic changes in river channel and riparian woody vegetation on the Middle Fork John Day preserve. Oregon Office of the Nature Conservancy.
- 3445 Loomis, D. W. and R. Anglin. 1992. North Umpqua River fish management plan. Progress Report 1991-1992.

- 3446 Chilcote, M. 1993. Summary of fish genetics and wild fish management. Misc. manuscript.
- 3447 Oregon Department of Fish and Wildlife. 1992. General Fish Management Goals, Natural Production Policy, Wild Fish Management Policy, Wild Fish Gene Resource Conservation Policy, Hatchery Fish Gene Resource Management Policy, Transgenic Fish Policy.
- 3448 South Umpqua River Basin Case Study. 1994. ? Pacific Power and Electric Corporation.?
- 3449 Rogers, D. E. and G. T. Ruggerone. 1993. Factors affecting marine growth of Bristol Bay sockeye salmon. Fisheries Research 18: 89-113.
- 3450 Rogers, D. E. 1986. Pacific salmon. Pages 461 to 476 D. W. Hood and S. T. Zimmerman (eds) The Gulf of Alaska Physical Environment and Biological Resources. Minerals Management Svc. Publication No. OCS Study MMS 86-0095.
- 3451 Cuenco, M. L., T. W. H. Backman and P. R. Mundy. 1993. The use of supplementation to aid in natural stock restoration. Pages 269-293 in J. G. Cloud and G. H. Thorgaard (eds.) Genetic Conservation of Salmonid Fishes, Plenum Press, NY.
- 3452 Berman, C. H. and T. P. Quinn. 1991. Behavioural thermoregulation and homing by spring chinook salmon, *Oncorhynchus tshawytscha* (Walbaum), in the Yakima River. J. of Fish. Biology 39: 301-312.
- 3453 Nehlsen, W. 1993. (Draft) Historical salmon runs of the upper Deschutes and their environments. Prepared for Portland General Electric, Portland, OR.
- 3453b Nehlsen, W. 1995a. Historical salmon and steelhead runs of the upper Deschutes and their environments. Prepared for Portland General Electric, Portland, OR.
- 3454 McIntosh, B. A. 1992. Historical changes in anadromous fish habitat in the upper Grande Ronde River, Oregon, 1941-1990. M.S. Thesis Oregon State University, Corvallis, OR.
- 3455 Buckley, G. L. 1992. Desertification of the Camp Creek drainage in central Oregon, 1826-1905. M.A. Thesis, University of Oregon, Eugene, OR.
- 3456 Watson, B. 1993. Natural production objectives for upper Yakima spring

chinook. Yakima Nation.

ISG DATA - 5/7/95

- 3456a Northwest Power Planning Council. 1986. Council staff compilation of information on salmon and steelhead losses in the Columbia River Basin. Portland, OR, 252 p.
- 3456b Northwest Power Planning Council. 1986. Council staff compilation of information on salmon and steelhead losses in the Columbia River Basin. Appendices. Portland, OR, 252 p.
- 3457 Kaczynski, V. W., J. F. Palmisano and J. E. Levin. 1992. A review of management and environmental factors responsible for the decline and lack of recovery of Oregon's wild anadromous salmonids. Oregon Forest Industries Council, Salem, OR.
- 3458 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. Washington Forest Protection Association and State of Washington Department of Natural Resources, Olympia, WA.
- 3459 Pacific Northwest Regional Commission. 1976. Investigative reports of Columbia River fisheries project. 1205 Washington Street, Vancouver, WA.
- 3460 Evermann, B. W. And S. E. Meek. 1898. A report upon salmon investigations in the Columbia River basin and elsewhere on the Pacific coast in 1896. Bulletin of the U. S. Fish Commission. Vol XVII for 1897, Washington, DC. (Filed in Commission Notebook on shelf)
- 3461 Sherwood, C. R., D. A. Jay, R. B. Harvey, P. Hamilton and C. A. Simenstad. 1990. Historical changes in the Columbia River estuary. Prog. Oceanog. 25: 299-352.
- 3462 Craig, J. A., and R. L. Hacker. 1940. The history and development of the fisheries of the Columbia River. Bulletin of the Bureau of Fisheries No. 32, Washington, D.C.
- 3463 French, R. R. And R. J. Wahle. 1960. Salmon runs - upper Columbia River, 1956-57. Special Scientific Report: Fisheries No. 364. U. S. Fish and Wildlife Service. Washington, DC.

- 3464 Fulton, L. A. 1970. Spawning areas and abundance of steelhead trout and coho, sockeye and chum salmon in the Columbia River basin - past and present. Special Scientific Report: Fisheries No. 618. U. S. Dept. of the Commerce, NOAA, National Marine Fisheries Service, Washington, DC.
- 3465 Fulton, L. A. 1968. Spawning areas and abundance of chinook salmon (*Oncorhynchus tshawytscha*) in the Columbia River Basin - past and present. Special Scientific Report: Fisheries No. 571. U. S. Fish and Wildlife Service, Bureau of Commercial Fisheries, Washington, DC.
- 3466 Evermann, B. W. 1896. A preliminary report upon salmon investigations in Idaho in 1894. Bulletin of the U. S. Fish Commission, Washington, DC. (requested a better copy from Tim - File whole report in notebook for Commission Reports.)
- 3467 Mullan, J. W., K. R. Williams, G. Rhodus, T. W. Hillman, and J. D. McIntyre. 1992. Production and habitat of salmonids in Mid-Columbia River tributary streams. Monograph I, U. S. Fish and Wildlife Service, Leavenworth, WA.
- 3468 Olsen, E., K. Hatch, P. Pierce, and M. McLean. 1992. Stock summary reports for Columbia River anadromous salmonids Vol. II: Oregon above Bonneville Dam. Bonneville Power Administration, Portland, OR.
- 3469 Keifer, S., M. Rowe, and K. Hatch. 1993. Stock summary reports for Columbia River anadromous salmonids. Volume V: Idaho. (Books 1 & 2) Bonneville Power Administration, Portland, OR.
- 3470 Olsen, E., K. Hatch, P. Pierce, and M. McLean. 1992. Stock summary reports for Columbia River anadromous salmonids Vol. II: Oregon below Bonneville Dam. Bonneville Power Administration, Portland, OR.
- 3471 Washington Department of Fish and Wildlife, and Oregon Department of Fish and Wildlife. 1994. Status report: Columbia River fish runs and fisheries 1938-93. Olympia, WA.
- 3472 Good, G. B. 1886. The status of the U. S. Fish Commission in 1884. Part XII Report of The Commission for 1884. Washington, DC.
- Bound Nicholas, J.W. and D.G. Hankin. 1989. Chinook salmon populations in Oregon coastal river basins: description of life histories and assessment of recent trends in run strengths. Oregon Department of Fish and Wildlife, Information Reports (Fish) 88-1, second edition. (Printed by Oregon State University Extension Service, Catalog Number EM 8402, Corvallis).

Book Roos, J. F. 1991. Restoring Fraser River Salmon. Pacific Salmon Commission, Vancouver, BC.

Book Croot, C. And L. Margolis. 1991. Pacific Salmon Life Histories. University of British Columbia Press.

List 2

3472 Thomison, P. 1987. When Celiolo was Celiolo: An analysis of salmon use during the past 11,000 years in the Columbia Plateau. M.A. Oregon State University, Corvallis, OR.

3473 Spurlock, C. P. 1940. A history of the salmon industry in the Pacific Northwest. M.S. University of Oregon, Eugene, OR.

3474 Vandevere, E. K. 1948. History of irrigation in Washington. PhD, University of Washington, Seattle, WA.

3475 Bottom, D. L. and K. K. Jones. 1990. Species composition, distribution, and invertebrate prey of fish assemblages in the Columbia River Estuary. Prog. Oceanography 25: 243-270.

3476 Jones, K. K., C. A. Simenstad, D. L. Higley and D. L. Bottom. Prog. Oceanography 25: 211-241.

3477 Enhancement Planning Team. 1984. Comprehensive salmon and steelhead enhancement plan for the Washington and Columbia River Conservation Areas. Volume 1: Processes principles, guidelines and criteria. Preliminary Review Draft, 1400 SW 5th Ave, Suite 714, Portland, OR.

3478 Pacific Northwest Regional Commission. 1976. Columbia Basin salmon and steelhead analysis: Summary Report. Portland, OR.

3479 Columbia River Fisheries Council. 1981. Columbia River Basin salmon and steelhead management framework plan. Portland, OR.

3480 Columbia River Fisheries Council. 1980. Comprehensive plan for production and management of Columbia River Basin anadromous salmon and steelhead. 700 NE Multnomah Street, Portland, OR.

3481 Royal, L. A. 1972. An examination of the anadromous trout program of the Washington State Game Department. Olympia, WA.

- 3482 United States Forest Service and United States Bureau of Land Management. 1994. Environmental assessment: Interim strategies for managing anadromous fish-producing watersheds on federal lands in eastern Oregon and Washington, Idaho, and portions of California. Washington, DC.
- 3483 Huntington, C. W., W. Nehlsen, and J. Bowers. 1994. Healthy native stocks of anadromous salmonids in the Pacific Northwest and California. Oregon Trout, 5331 SW Macadam, Suite 228, Portland, OR.
- 3484 Wevers, M. J. 1993. Life history evolutionary adaptation of Pacific salmon and its application in management. Ph D. Thesis, Oregon State University, Corvallis, OR.
- 3485 Chapman, D., A. Giorgi, M. Hill, A. Maule, S. McCutcheon, D. Park, W. Platts, K. Pratt, J. Seeb, L. Seeb, and F. Utter. 1991. Status of Snake River chinook salmon. Chapman Consultants, Inc. 3180 Airport Way, Boise, ID.
- 3486 Warren, C. E. and W. J. Liss. 1983. Systems classification and modeling of watersheds and streams. Department of Fisheries and Wildlife, Oregon State University, Corvallis, OR.
- 3487 Henjum, M. G., J. R. Karr, D. L. Bottom, D. A. Perry, J. C. Bednarz, S. G. Wright, S. A. Beckwitt, and E. Beckwitt. 1994. Interim protection for late-successional forests, fisheries, and watersheds: National Forests East of the Cascade Crest, Oregon, and Washington Eastside Forests Scientific Society Panel. The Wildlife Society Technical Review 94-2, Bethesda, MD.
- 3488 Columbia River Fisheries Council. 1978. Comprehensive plan for production and management of Columbia River Basin anadromous fish: Phase 1 - Strategic Plan. Portland, OR.
- 3489 Pacific Northwest River Basins Commission. 1974. Second Status Report on anadromous fish runs of the Columbia River. Vancouver, WA.
- 3490 Cobb, J.N. 1930. Pacific salmon fisheries. U.S. Dept. of Commerce, Bureau of Fisheries Document No. 1092, Washington, D.C.
- Lichatowich, J. A. 1993b. Ocean carrying capacity: recovery issues for threatened and endangered Snake River salmon. Bonneville Power Administration, Technical Report 6 of 11, DOE/BP-99654-6, Portland, OR.
- Lichatowich, J. A., L. G. Gilbertson, and L. E. Mobrand. 1993. A concise

summary of Snake River chinook production. Technical Assistance to the Snake River Salmon Recovery Team. Vashon, WA.

RASP (Regional Assessment of Supplementation Project). 1992 .
Supplementation in the Columbia Basin: summary report series. Final Report DOE/BP-01830-14, Bonneville Power Administration, Portland, OR.

Bound Bowles, E. And E. Leitzinger. 1991. Salmon supplementation studies in Idaho Rivers (Idaho supplementation studies): Experimental Design. DOE/BP-01466-1, Bonneville Power Administration, Portland, OR.

Bound Oregon Department of Fish and Wildlife. 1982. Comprehensive plan for production and management of Oregon's anadromous salmon and trout. Part II. Coho salmon plan.

Bound Oregon Department of Fish and Wildlife. 1982. Comprehensive plan for production and management of Oregon's anadromous salmon and trout. Part I. General Considerations. Fish Division, Anadromous Fish Section, Portland, OR.

Not for ISG

3800 Bryant, F. G. And Z. E. Parkhurst. 1950. Survey of the Columbia River and its tributaries - Part IV. Washington streams from the Klickitat and Snake Rivers to Grand Coulee Dam, with notes on the Columbia and its tributaries above Grand Coulee Dam. (Area III) Special Scientific Report: Fisheries No. 37. U. S. Dept. of the Interior, Fish and Wildlife Service. Washington, DC.

List for MBI

3801 Jordan, D. S. And C. H. Gilbert. 1887. The salmon fishing and canning interests of the Pacific Coast. Part XIII. The salmon fisheries of California and of Oregon south of the Columbia River. The Fisheries and Fishery Industries of the United States. Section V. History and Methods of the Fisheries. U. S. Commission of Fish and Fisheries, Washington, DC.

3802 Maitland, J. R. G. 1884. The culture of salmonidae and the acclimatization of fish. Volume VI, Part III in Fisheries Exhibition Literature, International Fisheries Exhibition, London, 1883, William Clowes and Sons, Limited, London.

- 3803 Stone, L. 1897. Some brief reminiscences of the early days of fish-culture in the United States. Bulletin of the United States Fish Commission. National Fishery Congress, 337-343.
- 3804 Brice, J. J. 1895. Establishment of stations for the propagation of salmon on the Pacific coast. Miscellaneous Documents of the House of Representatives for the Third Session of the Fifty-Third Congress 1894-95, Washington, DC.
- 3805 Watson, W. C. 1870. The salmon of Lake Champlain and its tributaries. Report of the Commissioner for 1873-4 and 1874-5. Part III. U. S. Commission of Fish and Fisheries. Washington, DC. (Filed in U. S. Fish Commission Notebook)
- 3806 Finely, C. I. 1884. Further report of R. D. Hume salmon hatchery, Oregon. Bulletin of the United States Fish Commission. Vol IV. Washington, DC. (Filed in U. S. Fish Commission Notebook)
- 3807 Rich, W. H. 1919. Marked Pacific salmon: Announcement regarding fish expected to return in 1919 and subsequent years. Department of Commerce, Bureau of Fisheries, Economic Circular No. 45 9-12.
- 3808 Washington Department of Fisheries and Game. 1921. Thirtieth and Thirty-First Annual Reports of the State Fish Commissioner. Olympia, WA. (Filed in Washington Fish & Game Notebook)
- 3809 Crawford, J. M. 1912. Perpetuating the Pacific coast salmon fisheries. Pacific Fisherman. January. MBI #2340
- 3810 McGowan, H. S. 1909. Commercial fisheries of Columbia River. Pacific Fisherman, 7:1 MBI # 2380
- 3811 Miner, R. W. 1911. The study of marine ecology and its importance to the fisheries. Transactions of the American Fisheries Society at its 14th Annual Meeting, September 27-29, 1910, AFS, Washington, DC.
- 3812 Bower, S. 1911. Fishery Conservation. Transactions of the American Fisheries Society at its Fortieth Annual Meeting, September 27-29, 1910, 95-121, Washington, DC.
- 3813 Whitaker, H. 1896. Some observations of the moral phases of modern fish culture. Transactions of the American Fisheries Society, 24th Annual Meeting. June 12-13, 1895, 59-74, Thos Humphrey, New York.
- 3814 Huxley, Professor. 1883. Inaugural Meeting of the Fishery Conferences.

June 18, 1883, Vol IV b2-22.

- 3815 Smith, H. M. 1914. The need for a national institution for the technical instruction of fisherfolk. Transactions of the American Fisheries Society at its 43rd Annual Meeting, September 8-11, 1914 at Boston, Mass. 41-45, New York.
- 3816 Ward, H. B. 1913. The preservation of the American Fish Fauna. Transactions of the American Fisheries Society at its 42nd Annual Meeting, September 3-5, 1912, 157-170, Washington, DC.
- 3817 McDonald, M. 1894. Address of the chairman of the general committee on the World s Fisheries Congress. Bulletin of the United States Fish Commission 1893. Vol. 13:15-16.
- 3818 Bower, W. T. 1911. History of the American Fisheries Society. Transactions of the American Fisheries Society at its 14th Annual Meeting, September 27-29, 1910, 323-358, Washington, DC.
- 3819 American Fisheries Society 40th Annual Meeting, Chronology of Officers and List by authors of papers and addresses presented from 1870 to 1909. 334-358.
- 3820 Armistead, J. J. 1894. Atmospheric and other influences on the migration of fisheries. Bulletin of the United States Fish Commission. 1893, 13:93-99, Washington, DC.
- 3821 Argyll, Duke of. 1883. The scientific results of the exhibition. July 20, 1883, 407-...
- 3822 Ryder, J. A. 1894. Biological research in relation to the fisheries. Bulletin of the United States Fish Commission. 1893, 13:59-63.
- 3823 Booth, D. C. 1911. Fish-cultural possibilities of the national preserves. Transactions of the American Fisheries Society at its 14th Annual Meeting, September 27-29, 1910, 115-117, Washington, DC.
- 3824 Oregon Fish and Game Commission. 1917. Biennial report of the Fish and Game Commission of the State of Oregon. Portland, OR.
- 3825 Scofield, N. B. 1913. A general report on a Quinnet salmon investigation, carried on during the spring and summer of 1911. California Fish and Game Commission, Fish Bulletin 1:35-4.
- 3826 Walton, I. 1893. Fish farming: A review of fish hatching. The Progress

January 20, 1893, Minneapolis, MN.

- 3827 MacCrimmon, H. 1965. The beginning of salmon culture. *Canadian Geographical Journal*: LXXI:3 96-103.
- 3828 Wood, E. M. 1953. A century of American fish culture, 1853-1953. *The Progressive Fish Culturist*, 15:4 147-160.
- 3829 Stone, L. 1896. Artificial propagation of salmon on the Pacific coast of the United States with notes on the natural history of the Quinnat salmon. U. S. Fish Commission Bulletin for 1896, 203-235, Washington, DC.
- 3830 Goode, G. B. 1898. Pisciculture. *The Encyclopaedia Britannica*, XIX:126-129.
- 3831 Bakke, B. History of hatchery development. Type chronology.
- 3832 Johnson, R. S. 1911. The magnitude and scope of the fish-cultural work of the U.S. Bureau of Fisheries, 1910. *Transactions of the American Fisheries Society at its 14th Annual Meeting, September 27-29, 1910*, 169-170, Washington, DC.
- 3833 Columbia Basin Fish and Wildlife Authority. 1988. Review of the history, development, and management of anadromous fish production facilities in the Columbia River Basin. Portland, OR.
- 3834 Washington Department of Fisheries and Game. Pollock, C. R. 1932. 40th & 41st Annual Reports of the State Department of Fisheries and Game: Division of Fisheries for the period April 1, 1929 to March 31, 1931. Washington State, Olympia. Fiscal years of 1929 and 1930. P. 7 salmon has experienced a gradual upgrade since 1920 & 1921. Silver salmon runs of Puget Sound and Columbia are in danger. Commercial fishing in Puget Sound tributaries is prohibited. Chinook salmon pack in 1929 was 60.5% under average and 1930 was 42.3 under. P. 29, ... logging operations depleting the forest growth of stream watersheds and reducing stream flows, coupled with the use of the stream waters through granted application as well as pollution near the congested areas are depleting the available water areas for use in maintaining fish life.... P. 34 - Gravest concerns.. The need to definite legislation, manadatory on all state departments involved, to set aside certain watersheds as permanent fish sanctuaries to guarantee both the commercial and recreational fisheries of this state in the future. (Filed in Washington Fish & Game Notebook)

- Part of same report: Statistics for Fiscal Year 1929. State of Washington, Division of Fisheries. Appropriations, receipts and disbursements; output of salmon hatcheries and costs; licenses issued; take and value of food fishes and other information regarding the food fishing industry. Table - Applications for use of state waters. Table - Output of salmon from the state hatcheries.
- 3835 Washington Department of Fisheries and Game. 1904. 14th & 15th Annual report of the state fish commissioner to the governor of the State of Washington. Bellingham, WA. Discussion of the Columbia River and mentions 1896 marking of 5,000 salmon fry. Irrigation screens.
- 3836 Washington Department of Fisheries and Game. 1907. 16th & 17th Annual report of the State Fish Commissioner and Game Warden to the governor of the State of Washington. 1905-1906. Bellingham, WA. The plight of the salmon industry of the Columbia River makes plain to the legislatures of Oregon and Washington that remedial laws must be enacted, of different sort than heretofore.... Calls for building smaller hatcheries rather than larger ones. (Filed in Washington Fish & Game Notebook)
- 3837 Washington Department of Fisheries and Game. 1911 20th & 21th Annual report of the State Fish Commissioner and Ex-Officio Game Warden to the governor of the State of Washington. 1909-1910. Bellingham, WA. Wenatchee River. Chinook and silverside salmon of the Columbia River of late years, irrigating ditches and logging and power dams caused the destruction of large quantities of fry and mature salmon. (Filed in Washington Fish & Game Notebook)
- 3838 Washington Department of Fisheries and Game. Jno. L. Riseland. 1913. 16th & 17th Annual report of the State Fish Commissioner and Ex-Officio Game Warden to the governor of the State of Washington. 1911-1912. Bellingham, WA. Discusses loss due to diversions and recommends building more hatcheries to make up for those losses. (Filed in Washington Fish & Game Notebook)
- 3839 Little, A. C. 1898 9th Annual report of the State Fish Commissioner to the Governor of the State of Washington. Tacoma, WA. Artificial propagation and history of propagation .
- 3840 Tables for spring chinook salmon fingerling from North Santiam Hatchery 1922-59. Additional information collected for 1919 to 1928.
- 3841 Suomela, A. J. 1949. Biennial report of the Fish Commission of the State of Oregon. Portland, OR. Salmon tagging on the Columbia River.

- 3842 Miscellaneous Tables. Table showing egg takes 1918 to 1923 from Oregon Rivers. Table of Columbia River Tonnage for 1923. Table Columbia River Troll Fish 1923 to 1925. Annual Pack Columbia River Salmon 1922 to 1925.
- 3843 Columbia River System Operation Review Draft Environmental Impact Statement. July 1994.
- 3844 Rich, W. H. 1941. The present state of the Columbia River salmon resources. Dept. of Res. Fish Comm. of the State of Oregon, Contribution No. 3, Salem, OR.
- 3845 Rich, W. H. 1935. The biology of the Columbia River Salmon. Northwest Science, 9:1 3-14.
- 3845A Davidson, F. A. 1935. Research projects of the United States Bureau of Fisheries in the Northwest. Northwest Science, 9:1 5-18.
- 3845B Craig, J. A. 1935. The effects of power and irrigation projects on the migratory fish of the Columbia River. Northwest Science, 9:1 19-22.
- 3845D O Malley, H. O. 1935. Some problems which confront the fishery experts in the construction of dams in the Inland Empire. Northwest Science, 9:1 23-24.
- 3845E Griffin, L. E. 1935. Certainties and risks affecting fisheries connected with damming the Columbia River. Northwest Science, 9:1 25-30.
- 3846 Ogden, P. 1826. Ogden's Journals. John Day River, historic river condition, beaver.
- 3847 Pautzke, C. F. and R. C. Meigs. 1941. Studies on the life history of the Puget Sound steelhead trout (*Salmo gairdnerii*). Transactions of the American Fisheries Society, 7th Annual Meeting, Toronto, Ontario. American Fisheries Society, 209-220, Washington, DC.
- 3849 O Malley, H. 1928. Alaska salmon - an achievement in conservation. Transactions of the American Fisheries Society, 58th Annual Meeting, Seattle, WA, American Fisheries Society, 39-43. Hartford, CN.
- 3850 High Dams and Fish. 1928. Panel Discussions at Transactions of the American Fisheries Society, 58th Annual Meeting, Seattle, WA, American Fisheries Society, (not complete copy pages 114-116). Hartford, CN.

- 3851 Greene, C. W. and J. R. Greeley. 1938. Development of trout stream resources. Transactions of the Third North American Wildlife Conference, Baltimore, MD. American Wildlife Institute, 315-322. Washington, DC.
- 3852 Van Oosten, J. 1937. Artificial propagation of commercial fish of the Great Lakes. Transactions of the Second North American Wildlife Conference, St. Louis, MO. American Wildlife Institute, 605-612. Washington, DC.
- 3853 Hile, R. 1936. The increase in the abundance of the yellow pike-perch, (*Stizostedion vitreum* (Mitchill)), in lakes Huron and Michigan, in relation to the artificial propagation of the species. The Collected Papers of Ralph Hile, 1928-73. U. S. Dept. of Interior, Fish and Wildlife Service, 143-159. Washington, DC. (1977).
- 3854 Huntsman, A. G. 1938. Fish culture-past and future. Transactions of the American Fisheries Society, 67th Annual Meeting, Mexico City American Fisheries Society, American Fisheries Society 87-93. Washington, DC.
- 3855 Locke, S. B. 1928. The national forests of the west and the fish supply. Transactions of the American Fisheries Society, 58th Annual Meeting, Seattle, WA, American Fisheries Society, 201-204. Hartford, CN.
- 3856 Symposium on Fish Culture. 1926. Transactions of the American Fisheries Society, 56th Annual Meeting, Mobile, AL. American Fisheries Society, 131-155. Hartford, CN.
- 3857 Davis, H. S. 1939. Objectives in trout stream management. Transactions of the American Fisheries Society, 68th Annual Meeting, Asheville, NC. American Fisheries Society, 76-81. Washington, DC.
- 3858 Hubbs, C. L. 1930. Fishery research in Michigan. Transactions of the American Fisheries Society, 60th Annual Meeting, Toronto, On American Fisheries Society, 128- 186. Hartford, CN.
- 3859 Madsen, D. H. 1926. Modern methods of fish planting. Transactions of the American Fisheries Society, 56th Annual Meeting, Mobile, AL. American Fisheries Society, 195-202. Hartford, CN.
- 3860 Belding, D. L. 1926. A new method of studying fish environment and determining the suitability of waters for stocking. Transactions of the American Fisheries Society, 56th Annual Meeting, Mobile, AL. American Fisheries Society, 79-90. Hartford, CN.

- 3861 Hayford, C. O. Is the general plan of stocking with fingerlings in thickly populated sections worthwhile? Transactions of the American Fisheries Society.....
- 3862 Shebley, W. H. 1927. History of fish planting in California. California Fish and Game 13:3 163-180.
- 3863 Kelez, G. B. 1937. Relation of size at release to proportionate return of hatchery-reared coho (silver) salmon. The Progressive Fish Culturist 31: 33-36.
- 3864 Needham, P. R. 1939. Natural propagation versus artificial propagation in relation to angling. Transactions of the 4th North American Wildlife Conference, Detroit, MI, American Wildlife Institute, 326-331, Washington, DC.
- 3865 Pacific Fisherman. 1936. Salmon season opens under favorable conditions in early packing districts - preparations for other areas progress rapidly. 34:6 May 1936. Also attached: Hatcheries and other factors in sockeye salmon conservation.
- 3866 Griffiths, F. P. 1940. Considerations of the introduction and distribution of exotic fishes in Oregon. Transactions of the American Fisheries Society, 69th Annual Meeting, San Francisco, CA, American Fisheries Society, 240-243, Washington, DC.
- 3867 Pacific Fisherman. 1936. Preparations for Alaska salmon season about normal despite many perplexing problems. 34:5 April, 1936. Also attached: All sockeye hatcheries closed in British Columbia.
- 3868 Foerester, R. E. 1936. Sockeye salmon propagation in British Columbia. The Biological Board of Canada, The Minister of Fisheries, Bulletin No. LIII. Ottawa, OT, Canada.
- 3869 Sprecher, G. E. 1957. Opening Remarks of the President: Some highlights in the history of the American Fisheries Society. Transactions of the American Fisheries Society, 86th Annual Meeting, Toronto, CA, American Fisheries Society, 436-444, St. Paul, MN.
- 3870 Moore, E. 1925. Report of the Vice President Division of Fish Culture, New York State Conservation Commission. Transactions of the American Fisheries Society, 55th Annual Meeting, 17-23, American Fisheries Society, Denver, CO.
- 3871 Field, G. W. 1932. Biology as the panacea for some national problems.

- Transactions of the American Fisheries Society, 62nd Annual Meeting, American Fisheries Society, 369-376, Baltimore, MD.
- 3872 Department of Commerce, Bureau of Fisheries. 1925. Pacific Coast Fisheries. Annual Report of the Commissioner of Fisheries to the Secretary of Commerce for the Fiscal Year Ended June 30, 1925. Washington, DC.
- 3873 Huntsman, A. G. 1930. Attack on the fishery problem. Transactions of the American Fisheries Society, 16th Annual Meeting. Toronto, OT, Canada, American Fisheries Society 172-177, Hartford CN.
- 3874 Rich, W. H. 1925. Progress in Biological Inquiries, July 1 to December 31, 1924. Bureau of Fisheries Document No. 990, Washington, DC.
- 3875 Hayford, C. O. and G. C. Embury. 1930. Further progress in the selective breeding of brook trout at the New Jersey state hatchery. Transactions of the American Fisheries Society, 16th Annual Meeting. Toronto, OT, Canada, American Fisheries Society 109-113, Hartford CN.
- 3876 Catt, J. 1930. Some suggestions for breeding speckled trout. Transactions of the American Fisheries Society, 16th Annual Meeting. Toronto, OT, Canada, American Fisheries Society 114-115, Hartford CN.
- 3877 White, H. C. and A. G. Huntsman. 1938. Is local behaviour in salmon heritable? J. Fish. Res. Bd. Canada 4:1 1-18.
- 3878 Larsen, J. A. 1922. Effect of removal of the virgin white pine stand upon the physical factors of site. Ecology 3: 302-305.
- 3879 Leonard, J. W. 1949. Research man vs. administrator - the research man's viewpoint. The Journal of Wildlife Management 13:3 237-244.
- 3880 Eschmeyer, R. W. 1949. Recent advances in fresh-water fishery management. Transactions of the 14th North American Wildlife Conference, Wildlife Management Institute, 207-224, Washington, DC.
- 3881 Millenbach, C. 1950. Rainbow brood stock selection and observations on its application to fishery management. The Progress Fish Culturist 12:3 151-152.
- 3882 Osborne, L. 1941. Is wild trout fishing doomed? The Progress Fish Culturist 54: 24-29.
- 3883 Chamberlain, T. K. 1943. Research in stream management in the Pisgah National Forest. Transactions of the American Fisheries Society, 72nd

Annual Volume for the year 1942. 150-176, Washington, DC.

- 3884 King, W. 1939. A program for the management of fish resources in Great Smoky Mountains National Park. Transactions of the American Fisheries Society, 68th Annual Meeting, Asheville, NC, 86-95, Washington, DC.
- 3885 Moore, E. 1926. Some features of the stream survey undertaken in New York State. Transactions of the American Fisheries Society, 56th Annual Meeting, Mobile, AL, 108-121, Hartford, CN.
- 3886 Bryant, H. C. 1924. Scientific investigation by the California Fish and Game Commission. California Fish and Game, 10:2 51-62.
- 3887 Wickliff, E. L. 1939. Report of the Committee on American Fish Policy, History of the North American Fish Policy. Transactions of the American Fisheries Society, 68th Annual Meeting, Asheville, NC, 39-51, Washington, DC.
- 3888 Clark, A. L., C. B. Miller, J. H. Mathews, and E. Higgins. 1938. Shall our marine fish resource be squandered, hoarded, or managed - and how? Transactions of the 3rd North American Wildlife Conference, Baltimore, MD, American Wildlife Institute, 143-159, Washington, DC.
- 3889 Hubbs, C. L. 1941. Predator control in relation to fish management in Alaska. Transactions of the 5th North American Wildlife Conference, Baltimore, MD, American Wildlife Institute, 153-162, Washington, DC.
- 3890 Maclay, D. J. 1941. A coordinated fish management plan for north Idaho. Transactions of the 5th North American Wildlife Conference, Baltimore, MD, American Wildlife Institute, 136-140, Washington, DC.
- 3891 Sloan, W. G. 1949. Program and policies of the United States Bureau of Reclamation. Transactions of the American Fisheries Society, 76th Annual Meeting, St. Paul, MN (1946) 373-380, American Fisheries Society, Ann Arbor, MI.
- 3892 Van Oosten, J. 1949. A definition of depletion of fish stocks. Transactions of the American Fisheries Society, 76th Annual Meeting, St. Paul, MN (1946) 283-289, American Fisheries Society, Ann Arbor, MI.
- 3893 Larson, R. W. and J. M. Ward. 1955. Management of steelhead trout in the State of Washington. Transactions of the American Fisheries Society, 84th Annual Meeting, Seattle, WA (1954) American Fisheries Society, 261-

274, Ann Arbor, MI.

- 3894 Cahn, A. R., W. L. Finley, C. L. Hubbs and K. Reid. 1938. Can annual fish crops be maintained with industrial development of inland waters? Transactions of the 3rd North American Wildlife Conference, Baltimore, MD, American Wildlife Institute, 126-142, Washington, DC.
- 3895 Snyder, J. O. and E. C. Scofield. 1924. An experiemnt relating to the homing instinct of king salmon. California Fish and Game, 10:1 9-16.
- 3896 Taft, A. C. and L. Shapovalov. 1938. Homing instinct and straying among steelhead trout (*Salmo gairdnerii*) and silver salmon (*Oncorhynchus kisutch*). California Fish and Game, 24:2 118-125.
- 3897 Van Oosten, J. 1942. Relationship between the plantings of fry and production of whitefish in Lake Erie. Transactions of the American Fisheries Society, 71st Annual Meeting, St. Louis, MO, 119-121, Washington, DC.
- 3898 Brown, E. C. 1922. Adjustment of environment vs. stocking to increase the productivity of fish life. Transactions of the American Fisheries Society, 51st Annual Meeting, Allentown, PA, 131-145, Washington, DC.
- 3899 Harper s New Monthly Magazine. 1868. Fish Culture in America. Vol. XXXVII, No. CCXXII.
- 3900.1 Huntsman, A. G. 1937. "Races" and "Homing" of salmon. Science 85: 477-478.
- 3900.2 Davidson, F. A. 1937. "Migration" and "Homing" of Pacific Salmon. Science. July 16, 1937.
- 3901 Rich, W. H. 1937. Homing of Pacific salmon. Science 85:2211 313-314.
- 3902 Rich, W. H. 1937. "Races" and "Homing" of Pacific salmon. Science 86: (Aug 6, 1937) 122.
- 3903 Ward, H. B. 1927. The influence of a power dam in modifying conditions affecting the migration of the salmon. Proceedings of the National Academy of Sciences of the U. S. of America. 13: 827-833.
- 3904 Ward, H. B. 1929. Further studies on the influence of a power dam in modifying conditions affecting the migration of the salmon. Proceedings of the National Academy of Sciences of the U. S. of America. 15: 56-62.

- 3905 Tunison, A. V. 1954. Committee on hydrobiology and fish culture. Transactions of the American Fisheries Society, 83rd Annual Meeting, Milwaukee, WI 387-394, Ann Arbor, MI.
- 3906 Scheer, B. T. 1939. Homing instinct in salmon. The Quarterly Review of Biology. 14: 408-430.
- 3907 Van Oosten, J. 1948. The American Fisheries Society - its 75th Anniversary. Transactions of the American Fisheries Society, 75th Annual Volume for the year 1945. 13-15, Ann Arbor, MI.
- 3908 Dymond, J. R. 1964. A history of ichthyology in Canada. Copeia 1: 2-33.
- 3909 Kramer, H. P. 1968. Environment past, present and future: a century survey of environment. Environmental Science and Technology 2:8 602-605.
- 3910 Shapovalov, L. 1940. The homing instinct in trout and salmon. Pages 317-322 in Proceedings of the Sixth Pacific Science Congress of the Pacific Science Association, July 24 to August 12, 1939. University of California Press, Berkeley, CA.
- 3911 McHugh, J. L. 1968. The biologist s place in the fishing industry. BioScience, 18:10 935-939.
- 3912 White, L., Jr. 1967. The historical roots of our ecologic crisis. Science. 155:3767 1203-1206.
- 3913 Laythe, L. L. 1948. The fishery development program in the Lower Columbia River. Transactions of the American Fisheries Society, Sept 13-15, 1948, Atlantic City, NJ.
- 3914 Milne, D. J. 1957. Recent British Columbia spring and coho salmon tagging experiments, and a comparison with those conducted from 1925 to 1930. Fisheries Research Board of Canada, Ottawa, CAN.
- 3915 Stone, Lingingston. 1892. A National Salmon Park. Transactions of the American Fisheries Society. 21st Annual Meeting, New York.
- 3916 Francis, Francis. 1863. Fish-Culture: A Practical Guide to the Modern System of Breeding and Rearing Fish. Routledge, Warne, and Routledge, London, EN.
- 3917 A Handy Guide to Fish Culture or Fish Culture Made Easy. Book by J. J. Armistead, 1897. Published by The Angler Limited at the Offices,

Scarborough.

- 3918 Freeman, W. B. 1956. The memoirs of Miller Freeman, 1875-1955.
- 3919 Morris, W. G. 1934. Forest Fires in Western Oregon and Western Washington. *The Oregon Historical Quarterly*, 35:4 313-339.
- 3920 Yarwood, E. and D. F. Stradling. 1980. The Columbia River: An inexhaustible resource. Stradling, D. F. 1980. The geomorphic history of the Columbia River system. Murray Morgan. 1980. The Columbia: The misunderstood river. Dennis, D. Dauble. 1980. Ecology and use of the mid-Columbia River. Whittlesey, N. K. and W. R. Butcher. 1980. Economics of water tradeoffs in the Columbia River system. McConnell, G. 1980. Ideologies, interests, values and geography. Marts, M. E. 1980. The Columbia River: Some contemporary conflicts.
- 3921 Smith, J. J. 1988. Recovery of riparian vegetation on an intermittent stream following removal of cattle. California Riparian Systems Conference, Sept. 22-24, Davis, CA.
- 3922 K. M. S. Moore and S. V. Gregory. 1988. Geomorphic and riparian influences on the distribution and abundance of salmonids in a cascade mountain stream. California Riparian Systems Conference, Sept. 22-24, Davis, CA.
- 3923 McGurk, B. J. 1988. Predicting stream temperature after riparian vegetation removal. California Riparian Systems Conference, Sept. 22-24, Davis, CA.
- 3924 Buer, K., D. Forwalter, M. Kisset and B. Stohler. 1988. The middle Sacramento River: Human impacts on physical and ecological processes along a meandering river. California Riparian Systems Conference, Sept. 22-24, Davis, CA.
- 3925 Reichard, N. 1988. Restoring and maintaining riparian habitat on private pastureland. California Riparian Systems Conference, Sept. 22-24, Davis, CA.
- 3926 Swanson, S. 1988. Using stream classification to prioritize riparian rehabilitation after extreme events. California Riparian Systems Conference, Sept. 22-24, Davis, CA.
- 3927 Williams, P. B. and M. L. Swanson. 1988. A new approach to flood protection design and riparian management. California Riparian Systems Conference, Sept. 22-24, Davis, CA.

- 3928 Furniss, M. J. 1988. Stabilization of landslides for the improvement of aquatic habitat. California Riparian Systems Conference, Sept. 22-24, Davis, CA.
- 3929 Elmore, W. and R. L. Beschta. 1988. The fallacy of structures and the fortitude of vegetation. California Riparian Systems Conference, Sept. 22-24, Davis, CA.
- 3930 Harvey, M. D. and C. C. Watson. 1988. Effects of bank revetment on Sacramento River, California. California Riparian Systems Conference, Sept. 22-24, Davis, CA.
- 3931 Marcus, L. 1988. Riparian restoration and watershed management: some examples from the California Coast. California Riparian Systems Conference, Sept. 22-24, Davis, CA.
- 4000 Bayer, R.D. 1986. Seabirds near an Oregon estuarine salmon hatchery in 1982 and during the 1983 El Nino. Fish. Bull. 84:2 279-286.
- 4001 Shapiro, Steve. 1990. Farmed Atlantics vs. wild Pacifics. Pacific Fishing, July 40-47.
- 4002 Fresh, K.L., S.L. Schroder, and S. Shepard. 1982. Evaluating the production of fall chinook originating from the Columbia River. Final Report Wash. Dept. of Fisheries. Olympia, WA Grand No. F-82-R-1)
- 4003 Rimmer, D.M., U. Paim, and R.L. Saunders. 1983. Autumnal habitat shift of juvenile Atlantic Salmon (*Salmo salar*) in a small river. Can. J. Fish. Aquat. Sci. 40: 671-680.
- 4004 Bagliniere, J.-L. and A. Champigneulle. 1986. Population estimates of juvenile Atlantic salmon, *Salmo salar*, as indices of smolt production in the R. Scorff, Brittany. J. Fish. Biol. 29: 467-482.
- 4005 Symons, P.E.K. 1979. Estimated escapement of Atlantic salmon (*Salmo salar*) for maximum smolt production in rivers of different productivity. J.Fish. Res. Board Can. 36:132-140.
- 4006 Egerton, F.N. 1989. Missed opportunities: U.S. fishery biologists and productivity of fish in Green Bay, Saginaw Bay and Western Lake Erie. Environmental Review 13:2 33-63.
- 4007 Wright, Will. 1990. Wild Knowledge, Science, language, and social life in a fragile environment. Univ. of Minnesota Press, Minneapolis. Chapter

Nine - Ecology of Language.

- 4008 Rapport, D.J. 1989. Symptoms of pathology in the Gulf of Bothnia (Baltic Sea): ecosystem response to stress from human activity. *Biol. J. of the Linnean Soc.* 37: 33-49.
- 4009 Georgescu-Roegen, N. Energy analysis and economic valuation. 1023-1058.
- 4010 Georgescu-Roegen, N. 1975. Energy and economic mythis. *S. Econ. Journal*, 41:3 347-381.
- 4011 Burns, J.W. 1971. The carrying capacity for juvenile salmonids in some northern California Streams. *Calif. Fish and Game*, 57:1 44-57.
- 4012 Carl, L.M. 1984. Chinook salmon (*Oncorhynchus tshawytscha*) density, growth, mortality, and movement in two Lake Michigan tributaries. *Can. J. Zool.* 62: 65-71.
- 4013 Buchanan, D. 1991. Memo: possible malathion toxicity on the Williamson River. ODFW, Sept. 4, 1991.
- 4014 Poff, LeRoy N. and J.V. Ward. 1990. Physical habitat template of lotic systems: Recovery in the context of historical pattern of spatiotemporal heterogeneity. *Environmental Management*, 14:5 629-645.
- 4015 Pinkerton, E. 1993. Local fisheries co-management: A review of international experiences and their implications for salmon management in British Columbia. School of Community and Regional Planning, Univ. of British Columbia. 21 p.
- 4016 Reice, S.R., R.C. Wissmar and R.J. Naiman. 1990. Disturbance regimes, resilience, and recovery of animal communities and habitats in lotic ecosystems.
- 4017 Grossman, G.D., J.F. Dowd, and M. Crawford. 1990. Assemblage stability in stream fishes: A review. *Environmental Management*, 14:5 661-671.
- 4018 Hughes, R.M., T.R. Whittier, C.M. Rohm, and D.P. Larsen. 1990. A regional framework for establishing recovery criteria. *Environmental Management*, 14:5 673-683.
- 4019 DeAngelis, D.L., P.J. Mulholland, J.W. Elwood, A.V. Palumbo, and A.D. Steinman. 1990. Biogeochemical cycling constraints on stream ecosystem recovery. *Environmental Management* 14:5 685-697.

- 4020 Sparks, R.E., P.B. Bayley, S.L. Kohler, and L.L. Osborne. 1990. Disturbance and recovery of large floodplain rivers. *Environmental Management* 14:5 699-709.
- 4021 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.
- 4022 Fisher, S.G. 1990. Recovery processes in lotic ecosystems: Limits of successional theory. *Environmental Management* 14:5 725-736.
- 4023 Gore, J.A. and A.M. Milner. 1990. Island biogeographical theory: Can it be used to predict lotic recovery rates? *Environmental Management*, 14:5 737-753.
- 4024 Gore, J.A., J.R. Kelly and J.D. Yount. 1990. Application of ecological theory to determining recovery potential of disturbed lotic ecosystem: Research needs and priorities. *Environmental Management* 14:5 755-762.
- 4025 Schlosser, I.J. 1990. Environmental variation, life history attributes, and community structure in stream fishes: Implications for environmental management and assessment. *Environmental Management* 14:5 621-628.
- 4026 Yount, J.D. and G.J. Niemi. 1990. Recovery of lotic communities and ecosystems from disturbance—A narrative review of case studies. *Environmental Management* 14:5 547-569.
- 4027 Cairns, J., Jr. 1990. Lack of Theoretical basis for predicting rate and pathways of recovery. *Environmental Management* 14:5 517-526.
- 4028 Niemi, G.J., P. Devore, N. Detenbeck, D. Taylor, J. Pastor, J.D. Yount, and R.J. Naiman. 1990. Overview of case studies on recovery of aquatic systems from disturbance. *Environmental Management* 14:5 571-587.
- 4029 Kelly, J.R. and M.A. Harwell. 1990. Indicators of ecosystem recovery. *Environmental Management* 14:5 527-545.
- 4030 Larkin, P.A. 1982. Aquaculture in North America: An assessment of future prospects. *Can. J. Fish. Aquat. Sci.* 39: 151-154.
- 4031 Staley, G. 1982. Oregon's migration experience: The performance of anadromous fish compensation programs operated by the Oregon Department of Fish and Wildlife.

- 4032 Bella, D.A. 1987. Organizations and systematic distortion of information. *J. of Professional Issues in Engineering*. 113:4 360-370.
- 4033 Bella, D.A., A.M. Asce and W.S. Overton. 1972. Environmental planning and ecological possibilities. *J. of Sanitary Engineering Div. Proceedings of the Am. Soc. of Civil Engineers*. Vol. 98 No. SA3, June 1972, 579-592.
- 4034 Bella, D.A. 1979. An inquiry into the rationale and use of environmental safety factors. Manuscript, Dept. of Civil Engineering, OSU. 33 p.
- 4035 Bella, D.A. and K.J. Williamson. Conflicts in interdisciplinary environmental research. Draft Manuscript, Civil Engineering, OSU.
- 4036 Fraidenburg, M.E., R.A. Moore, M. Alexandersdottir, and J. McKee. 1993. Are you satisfied? Measuring salmon angler satisfaction using Washington Department of Fisheries' Port sampling programs. *Wash. Dept. of Fisheries, Tech. Rept 120*, 35 p.
- 4037 Rowland, M.J., K.E. Josund, and D.J. Chasan. 1993. Old-growth forests and timber towns: Thinking about tomorrow. *Inst. for Public Policy and Management, U. of Wash.* prepared for Governor Mike Lowry, 37 p.
- 4038 Tiebout, C.M. 1962. The community economic base study. Supplementary Paper No. 16 published by the Committee for Economic Development, 84p.
- 4039 U.S. Fish and Wildlife Service. 1992. Western Washington Fishery Resource Office Annual Station Report Fiscal Year 1992. Olympia, WA 25 p.
- 4040 Scarneccchia, D.L. 1988. Salmon management and the search for values. *Can. J. of Fish. and Aquatic Sci.*, 45:11 2042-2050.
- 4041 Scarneccchia, D.L. and J.R. Wahl. 1992. Fifty years of fisheries management in an obstinate prairie lake. *J. Iowa Acad. Sci.* 99:1 7-14.
- 4042 Karr, J.R. 1991. Biological integrity: A long-neglected aspect of water resource management. *Ecol. Applications*. 1:1 66-84.
- 4043 Karr, J.R., K.D. Fausch, P.L. Angermeir, P.R. Yant, and I.J. Schlosser. 1986. Assessing biological integrity in running waters: A method and its rationale. *Illinois Natural History Survey, Spec. Pub. 5*, 28 p.
- 4044 Fausch, K.D., J. Lyons, J.R. Karr, and P.L. Angermeier. 1990. Fish communities and indicators of environmental degradation. *Am. Fish. Soc.*

Symp. 8: 123-144.

- 4045 Karr, J.R. and B.L. Karans. 1992. Components of biological integrity: Their definition and use in development of an invertebrate IBI. Proceedings of the 1991 Midwest Pollution Assessment Endpoints. U.S. Environmental Protection Agency, Region V., Environmental Sciences Division, Chicago, IL EPA 905/R-92/003.
- 4046 Karr, J.R. 1992. Landscapes and management for ecological integrity. To be published in K.C. Kim and R.D. Weaver (eds.) Biodiversity and Landscape: A paradox of humanity. Cambridge Univ. Press, NY.
- 4047 Nawa, R.K., C.A. Frissell, J.L. Ebersole, and W.J. Liss. 1991. Life history and persistence of anadromous fish stocks in relation to stream habitats and watershed classification. Annual Progress Report, Oak Creek Laboratory of Biology, Oregon State University, to Oregon Dept. of Fish and Wildlife, 82 p.
- 4048 Barber, W.E. 1988. Maximum sustainable yield lives on. N. Amer. J. of fish. Mangt. 8:2 153-157.
- 4049 Gray, L.C. 1913. The economic possibilities of conservation. The Quarterly J. of Economics. Volume XXVII, Harvard University, Cambridge, MS, 497-519.
- 4050 Mather, F. 1882. Report upon the results of salmon planting in the Hudson River. Bulletin of the U.S. Fish Commission, Vol. VII for 1887, Gov. Print. Off. 1889, Mis. House of Representatives, Doc No. 136, 409-425.
- 4051 National Marine Fisheries Service. 1991. Fisheries of the United States, 1990. NOAA, Current Fisheries Statistics No. 9000, 111p.
- 4052 Doyle, J.E. 1993. Mt. Baker Snoqualmie National Forest, U.S. Forest Service. 1993. Clean water, working together making a difference: A Puget Sound-Olympic Peninsula Watershed Alliance.
- 4053 Davidson, F.A. 1934. The homing instinct and age at maturity of pink salmon (*Oncorhynchus gorbuscha*). Bulletin of the Bureau of Fisheries, Vol XLVIII, Bulletin No. 15, 27-39.
- 4054 Lyon, K.S. and J.E. Keith. 1984. Analyzing values of fish and wildlife populations. In K. Sabol (ed.) Trans. of the 49th N. Amer. Wildlife and Nat. Res. Conf., March 23-28, 1984, Boston, MS, 357-365.
- 4055 Riggs, L.A. 1990. Conserving genetic resources on-site in forest

- ecosystems. *Forest Ecology and Management*, 35: 45-68.
- 4056 Bishop, R.C. 1978. Endangered species and uncertainty: The economics of a safe minimum standard. *Amer. of Agr. Econ.*, Feb, 10-18.
- 4057 Loomis, J.B., G. Peterson, and C. Sorg. 1984. A field guide to wildlife economic analyses. In K. Sabol (ed.) *Trans. of the 49th N. Amer. Wildlife and Nat. Res. Conf.*, March 23-28, 1984, Boston, MS, 315-325.
- 4058 Boyle, K.J. and R.C. Bishop. 1987. Valuing wildlife in benefit-cost analyses: A case study involving endangered species, *Water Resources Research*, 23:5 943-950.
- 4059 Simenstad, C. A., K. L. Fresh, and E. O. Salo. 1982. The role of Puget Sound and Washington coastal estuaries in the life history of Pacific salmon: an unappreciated function. Pages 343-364 in V. S. Kennedy, ed. *Academic Press*, New York.
- 4060 Dennis, Oregon Milton. 1910. Some reasons for failure of fish protective legislation and some suggested remedies. Pages 187-192 in *Proceedings of the fourth international fishery congress: organization and sessional business, papers and discussions*. Sept 22-26, 1908, Washington, D.C.
- 4061 Gregory, S. and L. Ashkenas. 1990. *Riparian management guide: Willamette National Forest. Pacific Northwest Region, USDA Forest Service.*
- 4062
- 4063 Bisson, P. A. and J. R. Sedell. 1982. Salmonid populations in logged and unlogged stream sections of Western Washington. *USDA Forest Service, Forestry Sciences Laboratory, Corvallis, OR 97331. (manuscript)*
- 4064 Bilby, R.E. and P. A. Bisson. 1991. Enhancing fisheries resources through active management of riparian areas. *Northeast Pacific Pink and Chum Salmon Workshop*. Pages 201-209 in B. White and I. Guthrie, eds. *Proceedings of the 15th Northeast Pacific Pink and Chum Salmon Workshop*, Feb. 27 to Mar 1, 1991, Parksville, British Columbia.
- 4065 Conquest, L. and R. J. Naiman. 1992. Large woody debris and percent pools in streams draining managed and unmanaged watersheds of the Olympic and western Cascade Mountains of Washington. Initial results of the analysis of 1991 ambient monitoring field data. *Manuscript, U. of Washington, Center for Streamside Studies, Seattle.*

- 4066 Ralph, S., T. Cardoso, G. C. Poole, L. L. Conquest and R. J. Naiman. 1991. Ambient monitoring project biennial progress report, 1989-91 Biennial Period. Center for Streamside Studies, Univ. of Washington, Seattle.
- 4067 Bonneville Power Administration. 1992. South Fork Tolt River hydroelectric project: environmental impact statement. DOE/EIS-0184, Portland, OR.
- 4068 Durrenberger, E. P. and G. Palsson. Riddles of herring and rhetorics of success. *J. of Anthropological Research* 323-335.
- 4069 Ryman, N. 1991. Conservation genetics considerations in fishery management. *Journal of Fish Biology* 39(Suppl A): 211-224.
- 4070 Manuscript - A Review of the Idaho Sport Fishery of Chinook Salmon. Extracted from various Idaho Fish and Game Publication. Washington Department of Fisheries, Nov. 23, 1960.
- 4071 Gharrett, A. J. and W. W. Smoker. 1993. A perspective on the adaptive importance of genetic infrastructure in salmon populations to ocean ranching in Alaska. *Fisheries Research* 18: 45-58.
- 4072 Brannon, E. L. 1993. The perpetual oversight of hatchery programs. *Fisheries Research*, 18:19-27.
- 4073 Mann, K. H. 1993. Physical oceanography, food chains, and fish stocks: a review. *ICES J. Mar. Sci.* 50:105-119.
- 4074 Carvalho, G. R. 1993. Evolutionary aspects of fish distribution: genetic variability and adaptation. *J. of Fish Biology*. 43:53-73.
- 4075 Washington, P. M. and A. M. Koziol. 1993. Overview of the interactions and environmental impacts of hatchery practices on natural and artificial stocks of salmonids. *Fisheries Research*, 18:105-122.
- 4076 Thomas, G. L. and O. A. Mathisen. 1993. Biological interactions of natural and enhanced stocks of salmon in Alaska. *Fisheries Research* 18:1-17.
- 4076A Thomas, G. L. and O. A. Mathisen. 1993. Biological interactions of natural and enhanced stocks of salmon in Alaska. Abstracts Only from Interim Report from the Cordova Workshop, November 10-15, 1991
- 4077 Deimling, E. A. and W. J. Liss. 1994. Fishery development in the eastern North Pacific: a natural cultural system perspective, 1888-1976. *Fisheries*

Oceanography 3:1 60-77.

- 4078 Kapuscinski, A. R. and L. M. Miller. 1993. Genetic hatchery guidelines for the Yakima/Klickitat fisheries project. Co-Aqua, 2369 Bourne Avenue, St. Paul, MN 55108.
- 4079 Riggs, L. A. 1992. Sustainability Workshop II. Proceedings Summary. Northwest Power Planning Council, GENREC/Genetic Resource Consultants. Silver Falls State Park, Oregon, Oct 30-Nov 1, 1991.
- 4080 Chilcote, M., C. Dale, K. Kostow, H. Schaller, and H. Weeks. 1992. Wild Fish Management Policy, Biennial Progress Report, Oregon Dept. of Fish and Wildlife.
- 4081 Cramer, S. P. and D. Neeley. 1992. Genetic risk assessment of the Nez Perce tribal hatchery master plan. S. P. Cramer and Associates, Corvallis, OR 97330.
- 4082 Waples, R. S. 1991. Heterozygosity and life-history variation in bony fishes: An alternative view. *Evolution* 45(5):1275-1280.
- 4083 Waples, R.S., O. W. Johnson, P. B. Aebersold, C. K. Shiflett, D. M. VanDoornik, D. J. Teel, and A. E. Cook. 1993. A genetic monitoring and evaluation program for supplemented populations of salmon and steelhead in the Snake River Basin. Bonneville Power Administration and Coastal Zone and Estuarine Studies Division, NMFS, NOAA. Seattle, Wash.
- 4084 Currens, K. P. 1993. Genetic vulnerability of the Yakima fishery project: a risk assessment. Oregon State University, Oregon Cooperative Fishery Research Unit, Corvallis, OR.
- 4085 Northwest Power Planning Council. 1992. Genetics and salmon production. Staff Discussion Paper 92-07. Portland, OR
- 4086 Lande, R. 1988. Genetics and demography in biological conservation. *Science*. September 241:1455-1459.
- 4087 Waples, R. S. 1991. Pacific salmon, *Oncorhynchus* spp., and the definition of "species" under the Endangered Species Act.
- 4088 Waples, R. S. 1990. Temporal changes of allele frequency in Pacific salmon: implications for mixed-stock fishery analysis. *Can. J. of Fish. and Aquatic Sci.*, 47:5 968-976.
- 4090 Waples, R. S. 1989. A generalized approach for estimating effective

- population size from temporal changes in allele frequency. *Genetics* 121:379-391.
- 4091 Soule, M. 1973. The epistasis cycle: a theory of marginal populations. *Ann. Rev. Ecol. Syst.* 4:165-187.
- 4092 Bottom, D. L. 1994. To Till the Water. A history of ideas in fisheries conservation. Presented at the Symposium, Pacific Salmon and their Ecosystems: Status and Future Options.
- 4093 Benke, A. C. 1990. A perspective on America's vanishing streams. *J. N. Am. Benthol. Soc.* 9(1):77-88.
- 4094 Brown, L. R., P. B. Moyle and R. M. Yoshiyama. (in review 1993). Status of coho salmon (*Oncorhynchus kisutch*) in California. *N. Am. J. of Fish. Management*.
- 4095 Pella, J. J. and R. T. Myren. 1974. Caveats concerning evaluation of effects of logging on salmon production in southeastern Alaska from biological information. *Northwest Science* 48:2 132-144.
- 4096 Bragovich, J. D., M. J. Brunengo, and W. J. Gerstel. Landslide inventory and analysis of the Tilton Creek-Mineral River Area, Lewis County, Washington. Part 1: Terrain and geologic factors. *Washington Geology* 21:3 9-30.
- 4097 Eastside Forest Scientific Society Panel. 1993. Interim protection for late-successional forest, fisheries, and watersheds. National forest east of the Cascade Crest, Oregon and Washington.
- 4097A Eastside Aquatic Ecosystems. from Dan Bottom draft 7/30/93.
- 4098 Williams, T. H. and C. E. Zimmerman. 1993. Criteria for prioritizing at-risk stocks of Pacific salmon for conservation and recovery actions: An evaluation of the criteria. Pacific Rivers Council, Eugene, OR
- 4099 Prince William Sound Science Center, Cooper River Delata Institute, and Chugach National Forest. 1992. Critical forest habitats and long-term planning in the Greater Prince William Sound.
- 4100 Nicholas, J. W. 1993. Relative ranking of salmon and steelhead populations in Oregon coastal basins: a proposed system to permit informed choice-making in fishery resource management, with emphasis on assigning restoration priorities. Oregon Department of Fish and Wildlife, Corvallis, OR .

- 4101 Regier, H. A. and G. L. Baskerville. Sustainable redevelopment of regional ecosystems degraded by exploitive development. Pages 75-103 in Clark, W. C. and R. E. Munn. eds. Sustainable development of the biosphere. International Institute for Applied Systems Analysis, Laxenburg, Austria.
- 4102 Trout Unlimited. Technical support document for conserving salmonid biodiversity on federal lands: Trout Unlimited's policy on mining, grazing, and timber harvest. Vienna, VA 22180.
- 4103 People of Puget Sound, Rivers Council of Washington, Washington Trout, and Washington Environmental Council. 1993. Results vs. Promises. Conceptual proposals for meeting the clean water act provisions relating to the 303(d) list and TMNDLs on forested lands.
- 4104 Given, D. R. and D. A. Norton. 1993. A multivariate approach to assessing threat and for priority setting in the threatened species conservation. *Biological Conservation* 64: 57-66.
- 4105 Gresswell, R. E. W. J. Liss, and G. L. Larson. Life-history organization of Yellowstone cutthroat trout (*Oncorhynchus clarki bouvieri*) in Yellowstone Lake. Submitted to *Can. J. of Fish. and Aquatic Sci.*
- 4106 Stanford, J. A. 1993. Instream flows to assist the recovery of endangered fishes of the Upper Colorado River Basin: review and synthesis of ecological information, issues, methods and rationale. Flatehead Lake Biological Station, University of Montana, FLBS Open File Report 130-93.

Papers in Use - May 1995

- 4107 Young, A. T. And M. E. Edsall. 1994. Aquaculture: Salmon and trout farming January 1979-March 1994. National Agriculture Library, Beltsville, Maryland. With printouts from library searches. (archive materials)
- 4108 U. S. Fish and Wildlife Service, Pacific Regional Director. 1949. Department of the Interior, fish and wildlife service policy when considering future comprehensive utilization of the Columbia River and its tributaries with specific reference to the Deschutes and Metolius Rivers in Oregon. Presented at Portland, Oregon April 25, 1949. (archive materials)
- 4109 Oregon Legislature - Minutes of fisheries open hearing at Salem Statehouse, Wednesday Evening, February 12, 1941.(archive materials)
- 4110 Blacher, N. 1949. The Columbia Basin inter-agency committee: A case

- study of the use of an inter-agency organization for the development of a river basin. M.A. Thesis, Stanford University. (archive materials)
- 4111 Columbia River Fisheries Interim Investigating Committee. 1943. Report on the problems affecting the fisheries of the Columbia River. State of Washington, 27th Regular Session. (archive materials ile folder 5006).
- 4112 Bessey, R. F. 1950. Reevaluation of Columbia River salmon fishery program- interim report. U. S. Department of the Interior, Pacific Northwest Field Committee. Portland, OR. (archive materials)
- 4113 Davidson, C. G. 1951. Rough notes on discussion of the power development in the Pacific Northwest. January-February, 1851, Consultant to Department of the Interior. (archive materials)
- 4114 Columbia Basin Inter-Agency Committee. 1951. Comprehensive plan for development of the natural resources of the Pacific Northwest. (archive materials)
- 4115 U. S. Fish and Wildlife Service. 1951. A program for the preservation of the fisheries of the Columbia River Basin. Washington, DC. (archive materials)
- 4116 Columbia Basin Inter-Agency Committee. 1950. Inventory of streams of the Northwest and their importance to fish. Fish and Wildlife Subcommittee. (archive materials)
- 4117 Columbia Basin Inter-Agency Committee. 1955. Comments by Herbert Lundy on presenting the first report of the fisheries steering committee to the Columbia Basin Inter-Agency Committee. Walla Walla, WA, January 19, 1955. (archive materials)
- 4118 Rich, W. H. 1925. Salmon resources of the North Pacific. The Columbia Port Digest. September and October. (archive materials)
- 4119 Thompson, W. F. An outline for salmon research in Alaska. Fisheries Research Institute, University of Washington, Seattle. (archive materials)
- 4120 Bessey, R. F. 1963. Pacific Northwest Regional Planning Review. Bulletin No. 6 Division of Power Resources, State of Washington, Olympia.
- 4121 Bessey, R. F. 1951. Resource conservation and development problems and solutions in the Columbia Basin. Journal of Politics 13:418-440. (archive materials)

- 4122 Washington State Fisheries Board. 1925. Proceedings of meeting of fisheries executives of the Pacific Coast including representatives from Dominion of Canada, United States, Province of British Columbia, Alaska, California, Oregon and Washington. Seattle, WA. (with archive materials)
- 4123 International Pacific Salmon Investigation Federation. 1925. Transcript of Proceedings of Meeting of International Pacific Salmon Investigation Federation, Executive Committee. Seattle, WA, Nov. 24, 1925. (archive materials) RG22 USFW Box 18 E121.
- 4124 Meeting of the Executive Committee of the International Pacific Salmon Investigation Federation. Minutes, Vancouver, BC, April 5, 1929. (archive materials)
- 4125 W. F. Thompson's letter 12 pages, January 17, 1925. Outline of ideas for research on halibut. (archive materials)
- 4126 Liggett, C. et al. 1995. Timber program issues: A technical examination of policy options - Executive Summary. U.S.D.A. Forest Service.
- 4127 U.S.D.A. Forest Service. 1994. Forest Service Reinvention: Executive Summary.
- 4128 Noss, R. F., E. T. LaRoe, III and J. M. Scott. 1995. Endangered ecosystems of the United States: A preliminary assessment of loss and degradation. National Biological Service.
- 4129 Reisenbichler, R. R. and J. D. McIntyre. 1977. Genetic differences in growth and survival of juvenile hatchery and wild steelhead trout, *Salmo gairdneri*. J. Fish. Res. Board Can. 34: 123-128.
- 4130 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 1896. Pages 50-61, in C.D. Levings, L. B. Holtby and M. A. Henderson (ed.) Proceedings of the National Workshop on Effects of Habitat Alteration on Salmonid Stocks. Can. Spec. Publ. Fish. Aquat. Sci. 105.
- 4131 Ecologically sustainable development working groups - Final report - fisheries, November 1991. Australia.
- 4132 Thompson, W. F. 1919. The scientific investigation of marine fisheries, as related to the work of the Fish and Game Commission in Southern California. Fish Bulletin No. 2, State of Calif. Fish and Game Commission. Sacramento, CA.

- 4133 Fisher, L. 1993. The precautionary principle: Annotated bibliography. Institute of Environmental Studies, Univ. of New South Wales, Australia.
- 4134 Jordan, D. S. and B. W. Evermann. 1905. American food and game fishes. A popular account of all the species found in America north of the equator, with keys for ready identification, life histories and methods of capture. Doubleday, Page & Company, New York, NY.
- 4135 Chatters, J. C., D. A. Neitzel, M. J. Scott and S. A. Shankle. 1991. Potential impacts of global climate change on Pacific Northwest spring chinook salmon (*Oncorhynchus tshawytscha*): An exploratory case study. *The Northwest Environmental J.* 7:71-92.
- 4136 Neitzel, D. A., M. J. Scott, S. A. Shankle, and J. C. Chatters. 1991. The effects of climate change on stream environments: The salmonid resource of the Columbia River Basin. *The NW Env. J.* 7:271-293.
- 4137 Kruess, A. and T. Tschardtke. 1994. Habitat fragmentation, species loss and biological control. *Science* 264:1581-1584.
- 4138 Downey, T., D. Rilatos, A. Sondenaa and B. Zybach. 1993. The Siletz Eels: Oral history interviews with Siletz Tribal elders and neighboring residents regarding the decline in Siletz River lamprey populations. Nat. Am. in Marine Science Program, Oregon State University, Corvallis, OR.
- 4139 McKibben, B. 1995. A refuge without borders. *Audubon*, Jan-Feb 1995. 60-69.
- 4140 Young, M. D. 1993. For our children s children: some practical implications of inter-generational equity and the precautionary principle. Resource Assessment Commission, Australian Government Publishing Service, Canberra.
- 4141 Olsen, D. and J. Richards. 1994. Inter-Basin comparison study Columbia River salmon production compared to other west coast production areas. Phase II analysis. U. S. Army Corps of Engineers.
- 4142 Northwest Power Planning Council. 1994. Accounting for environmental externalities in the power plan. No. 94-50.
- 4143 For the sake of salmon. Executive Summary. 1994/.
- 4144 Knetsch, J. L. 1993. Environmental valuation: some practical problems of wrong questions and misleading answers. Occasional publication No. 5, Resource Assessment Commission, Australia.

- 4145 Mann, C. C. 1994. Can meta-analysis make policy? *Science* 266:960-962.
- 4146 Barnhouse, L. W., L. W. Botsford, R. B. Deriso, J. F. Kitchell, and S. B. Saila. 1993. Columbia River basin salmonid model review: Interim report. Bonneville Power Administration - draft.
- 4147 Williams, R. N., R. P. Evans, and D. K. Shiozawa. 1995. Mitochondrial DNA diversity in bull trout from the Columbia River Basin. Idaho Bureau of Land Management Technical Bulletin No. 9-1.
- 4148 White, R. J., J. R. Karr, and W. Nehlsen. 1994. Better roles for fish stocking in aquatic resource management. Proceedings from the American Fisheries Symposium, Uses and Effects of Cultured Fishes in Aquatic Ecosystems. New Mexico, March 12-17, 1994.
- 4149 Silvert, W. 1978. The price of knowledge: fisheries management as a research tool. *J. Fish. Board Can.* 35: 208-212.
- 4150 Hanski, I. 1982. Dynamics of regional distribution: the core and satellite species hypothesis. *Oikos* 38: 210-221.
- 4151 Brooks, J. L. 1950. Speciation in ancient lakes. *The Quarterly Review of Biology* 25:2 131-176.
- 4152 Roughgarden, J. 1974. Population dynamics in a spatially varying environment: How population size tracks spatial variation in carrying capacity. *The American Naturalist* 108:963 649-664.
- 4153 Pacific Salmon Commission. 1995. Total catch, escapement, on-route losses and run of Fraser River sockeye salmon for the years 1893-1994. Data table faxed to Jim 8/2/95 from Ian Guthrie. (3 pages)
- 4154 U. S. General Accounting Office (GAO). 1992. Endangered Species: Past actions taken to assist Columbia River salmon. GAO/RCED-92-173BR. Washington, DC.
- 4155 State of Alaska. 1961. Pacific salmon rehabilitation: Highlights and recommendations of the 1961 Governors conference on salmon. Department of Fish and Game, Alaska.
- 4156 California Department of Fish and Game, Calif. Dept. of Water Res., U. S. Fish and Wildlife Service, and U. S. Bureau of Reclamation. 1975. Interagency ecological study program for the Sacramento-San Joaquin Estuary. Fourth Annual Report (1974).

- 4157 Campbell, H. J. 1959. Field testing rotary fish screens in Northeastern Oregon. *The Progressive Fish-Culturist*, 21:1 55-62.
- 4158 Lantz, R. L. 1971. Guidelines for stream protection in logging operations. A Report of the Research Division, Oregon State Game Commission, Portland, OR.
- 4159 James, G. 1984. John Day River Basin: Recommended salmon and steelhead habitat improvement measures. Confederated Tribes of the Umatilla Indian Reservation, Working Paper. Warm Springs, OR.
- 4160 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, Corvallis, OR.
- 4161 Bottom, D. L., B. Kreag, F. Ratti, C. Roye, and R. Starr. 1979. Habitat classification and inventory methods for the management of Oregon estuaries: Estuary inventory report. Research and Development Section, Oregon Department of Fish and Wildlife, Corvallis, OR.
- 4162 McCormick, R., D. MacWilliams, G. Haugen, G. Clevenger, D. Heller, and J. Doyle. 1987. Rise to the future: A fisheries action plan for the Pacific Northwest Region. U. S. D. A. Forest Service. Fisheries Task Force Report, Pacific Northwest Region, Portland, OR.
- 4163 Bartholow, J. M. 1989. Stream temperature investigations: Field and analytic methods. Instream flow information paper no. 13. U. S. Fish and Wildlife Service, Biological Report 89(17), Washington, DC.
- 4164 Healey, M. C. 1982. Juvenile Pacific salmon in estuaries: The life support system. Department of Fisheries and Oceans, Pacific Biological Station, Nanaimo, BC.
- 4165 Swales, S., R. B. Lauzier, and C. D. Levings. 1986. Winter habitat preferences of juvenile salmonids in two interior rivers in British Columbia. *Canadian Journal of Zoology* 64:1506-14.
- 4166 Horner, N. and T. C. Bjornn. 1976. Survival, behavior, and density of trout and salmon fry in streams. Forest, Wildlife and Range Experiment Station, University of Idaho, Progress Report for 1975. Moscow, Idaho.
- 4167 Mullan, J. W. and J. S. Griffith. 1985. Analysis of fish populations in the Wenatchee River, Washington. U. S. Fish and Wildlife Service, Leavenworth, WA.

- 4168 Mullan, J. W. 1982. Spring chinook salmon program, Leavenworth, Entiat, and Winthrop Hatcheries. U. S. Fish and Wildlife Service, Leavenworth, WA.
- 4169 Collins, M. D. 1977. The 1976 Willamette River spring chinook salmon run. Oregon Department of Fish and Wildlife, Portland, OR.
- 4170 Bennett, D. E. 1985. Fish passage at Willamette Falls in 1984. Oregon Department of Fish and Wildlife, Columbia River Management, Portland, OR.
- 4171 Kissner, P. D. 1982. A study of chinook salmon in southeast Alaska. Alaska Department of Fish and Game, Project AFS-41-10, Volume 23. Juneau, AK.
4172. Bennett, D. E. 1984. Fish passage at Willamette Falls in 1983. Annual Report. Oregon Department of Fish and Wildlife, Portland, OR.
- 4173 Washington State and U. S. Environmental Protection Agency. 1990. Toward 2010: An environmental action agenda. A Product of Washington Environment 2010.
- 4174 Kamara, A. B. 1973. Comparison of the rate of growth of fall chinook salmon (*Oncorhynchus tshawytscha*) in freshwater and salt water under similar conditions of light, water temperature, and diet. M. S. Thesis, University of Washington, Seattle, WA.
- 4175 Pacific Salmon Commission. 1991. Chinook Workshop. Canadian Discussion Paper Dec 13/90.

Two alternatives to catch ceiling management for chinook salmon fisheries of interest to the Pacific Salmon Commission. (Nov. 13, 1990)

Use of season regulations as an alternative to catch ceilings for management of directed chinook salmon fisheries to meet objectives of the Pacific Salmon Commission. (Oct. 15, 1990).

- 4176 Beverton, R. J. H. 1954. Notes on the use of theoretical models in the study of the dynamics of exploited fish populations. Miscellaneous Contribution Number 2, U. S. Fishery Laboratory, Beaufort, North Carolina.
- 4177 Oregon Department of Fish and Wildlife. 1982. Comprehensive plan for

production and management of Oregon's anadromous salmon and trout. Part I. General Considerations. Fish Division, Anadromous Fish Section, Portland, OR.

- 4178 Nehlsen, W. 1995. Handbook for prioritizing native salmon and watershed protection and restoration. Ad hoc working group sponsored by Oregon State Senator Bill Bradbury. (see notation inside cover for citation). Pacific Rivers Council.
- 4179 Bottom, D. L. 1995. Tales of salmon old and new. Oregon Department of Fish and Wildlife, Corvallis, OR (submitted for publication in Restoration and Management Notes).
- 4180 Low, R. A., Jr., and S. B. Mathews. 1982. Factors influencing ocean catch of salmon, *Oncorhynchus* spp., off Washington and Vancouver Island. NOAA Tech. Report NMFS SSRF-753, Rockville, MD.
- 4181 Mattson, C. R. 1962. Early life history of Willamette River spring chinook salmon. Fish Commission of Oregon, Portland, OR.
- 4182 Wendler, H. O. 1966. Regulation of commercial fishing gear and seasons on the Columbia River from 1859 to 1963. Fisheries Research Papers, Washington Department of Fisheries 2(4):19-31.
- 4183 Smith, R. Z. and R. J. Wahle. 1981. Releases of anadromous salmon and trout from U. S. and Canadian Pacific Coast Rearing Facilities, 1960-1976. NOAA Technical Memorandum NMFS F/NWC-6. National Marine Fisheries Service. (Not the report, but title paper and example of a table).
- 4184 Pacific Northwest River Basins Commission. 1972. Status of Columbia River salmon and steelhead trout. Fish and Wildlife Committee, Vancouver, WA.
- 4185 Rounsefell, G. A., 1947. The effect of natural and artificial propagation in maintaining a run of Atlantic salmon in the Penobscot River. Transactions of the American Fisheries Society 74:188-208.
- 4186 Culler, C. F. 1932. Progress in fish culture. Transactions of the American Fisheries Society 114-118.
- 4187 Foerster, R. E. 1928. Propagation's part in the conservation of sockeye salmon. Transactions of the American Fisheries Society, 58th Annual Meeting, Seattle, WA, 52-67, Hartford, CN.
- 4188 Babcock, J. P. 1928. A Canadian-American salmon reclamation project.

Transactions of the American Fisheries Society, 58th Annual Meeting, Seattle, WA, 44-51, Hartford, CN.

- 4189 Pacific Fisherman. 1931. Cannery move to solve problems of the salmon industry. Vol 29 No. 1.
- 4190 Pacific Fisherman. 1931. Preserve the spawning streams. Vol. 29 No. 1.
- 4191 Foerster, R. E. 1951. Transactions of the Fourth British Columbia Natural Resources Conference. Feb. 22-23, 1951, Victoria, BC.
- 4192 Li, H. W., D. B. Schreck, C. E. Bond and E. Rexstad. ?? 1987. Factors influencing changes in fish assemblages of Pacific Northwest streams. Page 193-202 in W. J. Matthews and D. C. Heins (eds) Community and Evolutionary Ecology of North American Stream Fishers, University of Oklahoma Press, Norman, OK
- 4193 Frissell, C. A. and D. Bayles. 1995. Ecosystem management and the conservation of aquatic biodiversity and ecological integrity. Submitted to Water Resources Bulletin.
- 4194 Frissell, C. A. 1993. A new strategy for watershed restoration and recovery of Pacific salmon in the Pacific Northwest. Pacific Rivers Council, Eugene, OR.
- 4195 Reisenbichler, R. No date. Effects of supplementation with hatchery fish on carrying capacity and productivity of naturally spawning populations of steelhead. National Biological Service, NW Biological Sciences Center, Seattle, WA.
- 4196 Sleeper, J. D. 1993. Seasonal changes in distribution and abundance of salmonids and habitat availability in a coastal Oregon Basin. Masters of Science, Oregon State University, Corvallis, OR.
- 4197 Schullery, P. 1979. A reasonable illusion. Rod and Reel: the Journal of American Angling. December 1979. Keywords: Sportfishing in national parks, Yellowstone, wild fish parks.
- 4198 Schullery, P. 1989. Feral fish and Kayak tracks: Thoughts on the writing of a new Leopold report. The George Wright Forum 6:1 41-47.
- 4199 Stevens, W. K. (article about) Hope, human and wild: True stories for living lightly on the earth, by Bill McKibben. Little, Brown and Company.
- 4200 Abram, D. Merleau-Ponty and the voice of the earth. Environmental Ethics

10: 101- (abstract and introduction only)

- 4201 McNeil, W. J. 1995. Water velocity and migration of juvenile salmon: Is faster necessarily better? *Hydro Review*, April 44-52.
- 4202 Greenland, D. 1994. The Pacific Northwest regional context of the climate of the H. J. Andrews Experimental Forest. *Northwest Science* 69:2 81-96.
- 4203 Rudzitis, G., C. Watrous and H. Johansen. 1995. Public views on public lands: A survey of interior Columbia River Basin residents. Department of Geography, University of Idaho, Moscow, ID.
- 4204 Danard, M., and T. S. Murty. 1994. On recent climate trends in selected salmon-hatching areas of British Columbia. *Journal of Climate* 7:1803-1808.
- 4205 Wissmar, R. C., J. E. Smith, B. A. McIntosh, H. W. Li, G. H. Reeves and J. R. Sedell. 1994. A history of resource use and disturbance in riverine basins of eastern Oregon and Washington (Early 1800s-1990s). *Northwest Science Journal* Vol. 68 Special Issue (1-35).
- 4205 McIntosh, B. A., J. R. Sedell, J. E. Smith, R. C. Wissmar, S. E. Clarke, G. H. Reeves and L. A. Brown. 1994. Historical changes in fish habitat for select river basins of eastern Oregon and Washington. *Northwest Science Journal* Vol. 68 Special Issue (1-35).
- 4206 Allendorf, F. W. and R. S. Waples. 1994. Conservation and genetics of salmonid fishes. National Marine Fisheries Service, Seattle, WA.
- 4207 Bottom, D. 1994. The carrying capacity concept in fisheries management. Oregon Department of Fish and Wildlife, Corvallis, OR. Prepared for Carrying Capacity Workshop.
- 4208 Warren, C. E. Resources, culture, and capitalism. Manuscript, Dept. of Fisheries and Wildlife, Oregon State University.
- 4209 McGregor, E. A. 1922. Migrating salmon at the Redding Dam. Also Observations on the egg yield of Kalamath River king salmon. *California Fish and Game* 8:3 pages 141 and pages 161-164.
- 4210 Bowles, E. 1993. Operation of compensation hatcheries within a conservation framework. Idaho Dept. of Fish and Game, Boise, ID 83707.
- 4211 Washington, Department of Fisheries. 1953. Helping Nature. (Keeping the road open).

- 4212 Cada, G. F., M. D. Deacon, S. V. Mitz, and M. S. Bevelhimer. 1993. Review of information pertaining to the effect of water velocity on the survival of juvenile salmon and steelhead in the Columbia River Basin. Northwest Power Planning Council, Portland, OR.
- 4213 Wahle, R. J., R. R. Vreeland and R. H. Lander. 1974. Bioeconomic contribution of Columbia River hatchery coho salmon, 1965 and 1966 broods, to the Pacific salmon fisheries. *Fisheries Bulletin* 72:1 139-169.
- 4214 Schreck, C. B., J. C. Snelling, R. E. Ewing, C. S. Bradford, L. E. Davis, and C. H. Slater. 1994. Migratory characteristics of juvenile spring chinook salmon in the Willamette River. Oregon Cooperative Fish Research Unit, Oregon State University, Corvallis, OR.
- 4215 Henry, K. A. 1972. Ocean distribution, growth, and effects of the troll fishery on yield of fall chinook salmon from Columbia River hatcheries. *Fisheries Bulletin* 70:2 431-445.
- 4216 Baskin, Y. 1994. Ecologists dare to ask: How much does diversity matter? *Science* 264: 202-203.
- 4217 Soule, M. 1994. A California rescue plan. *Defenders*, Fall Issue, 36-39.
- 4218 Bottom, D. L. 1994. Object knowledge and ecological wisdom. Session 4: Lessons in ecosystem restoration. Presented at Salmon Ecosystem Restoration: Myth and Reality. Oregon Chapter, American Fisheries Society, Eugene, OR Nov 7-10, 1994.
- 4219 Hess, S. S. 1984. Age and growth of white sturgeon in Lower Columbia River, 1980-83. Oregon Department of Fish and Wildlife.
- 4220 Miller, Ken. Concerns growing about reliance on hatchery salmon.
- 4221 McGregor, E. A. 1923. A possible separation of the river races of king salmon in ocean-caught fish by means of anatomical characters. *California Fish and Game* 9:4 138-150.
- 4222 Hulett, P. L., C. W. Wagemann, C. S. Sharpe and S. A. Leider. 1995. Studies of hatchery and wild steelhead in the Lower Columbia Basin. Progress Report for fiscal year 1994. Dept. of Fish and Wildlife, Washington State, No. RAD 95-03, Olympia, WA.
- 4223 Rahr, G. R. 1995. Protecting healthy fish stocks: A Pacific Northwest approach. *Transactions* 60th No. American Wildlife and Natural Resource

Conference. 98-106.

- 4224 Arnett, H. G. et al. 1988. U. S. et. al. vs. State of Oregon. Motion for order approving Columbia River Management Plan.
- 4225 Mullan, J. W. , M. B. Dell, S. G. Hays and J. A. McGee. 1986. Some factors affecting fish production in the mid-Columbia River 1934-1983. U. S. Fish and Wildlife Service Report No. FRI/FAO 86-15.
- 4226 Curet, T. S. 1993. Habitat use, food habits and the influence of predation on subyearling chinook salmon in Lower Granite and Little Goose Reservoirs, Washington. M. S. Thesis, University of Idaho, Boise, ID.
- 4227 Hamilton, J. R., M. Martin, and K. Casavant. ?? The effect of Lower Snake River Reservoir drawdown on barge transportation: Some observations. University Task Force on Salmon and the Columbia River System.
- 4228 Gaumer, T. F. 1968. Closing report: Behavior of juvenile anadromous salmonids in the Imnaha River, September 1964-June 1967. Fish Commission of Oregon.
- 4229 Delarm, M. R., E. Wold, and R. Z. Smith. 1987. Columbia River fisheries development program annual report for FY 1986. NOAA Technical Memorandum NMFS F/NWR-21, National Marine Fisheries Service.
- 4230 General Accounting Office. 1994. Ecosystem management: Additional actions needed to adequately test a promising approach. GAO/RCED 94-111, Washington, DC.
- 4231 Columbia River Fish and Wildlife Authority. 1989. Review of the history, development, and management of anadromous fish production facilities in the Columbia River Basin. Portland, OR.
- 4232 Giorgi, A. E., D. R. Miller, and B. P. Sanford. 1994. Migratory characteristics of juvenile ocean-type chinook salmon, *Oncorhynchus tshawytscha*, in John Day Reservoir on the Columbia River. Fisheries Bulletin, 92:4 872-879.
- 4233 Columbia River Inter-Tribal Fish Commission. 1981. The Mitchell Act: An analysis. Portland, OR.
- 4234 Alaska Department of Commerce and Economic Development. 1995. Cost trends in farmed salmon. Juneau, AK.
- 4235 Robertson, A. 1922. Further proof of the parent stream theory.

- Transactions of American Fisheries Society, 51st Annual meeting, Allenton, Pennsylvania, Sept. 5-7, 1921. Vol LI: 89-90. (2 copies)
- 4236 Pacific County Historical Society, State of Washington. 1985. The Old Hatchery. (Chinook River Hatchery) The Sou wester, 20:34 Also some pages from article on Willapa Hatchery.
- 4237 Hume, R. D. Salmon of the Pacific Coast. Xerox copy.
- 4238 Pacific Fisherman. 1906. Should feed young salmon. 4:1.
- 4239 Hedgpeth, J. W. 1941. Livingston Stone and fish culture in California. California Fish and Game 27:3 126-148. (2 copies)
- 4240 Pacific Coast Fisheries. 1903. Commissioner Kershaw hopeful. Also article on State Fish Hatcheries.
- 4241 Stone, Livingstone. 1879. Report of operations at the salmon-hatching station on the Clackamas River, Oregon, in 1877. Report of the Commissioner for 1877. Washington, DC.
- 4242 Davis, H. S. 1903. The migrations and growth of salmon fry. Pacific Fisherman 1:4 9-10.
- 4243 Chamberlain, F. M. 1903. Artificial propagation. Pacific Fisherman, 1:11 10, 16.
- 4244 Marsh, G. P. 1857. Report made under Authority of the Legislature of Vermont on the Artificial Propagation of Fish. Free Press Print, Burlington, VT.
- 4245 Washington Department of Fisheries and Game. 1917. Twenty-Sixth and Twenty-Seventh Annual Reports of the State Fish Commissioner to the Governor of the State of Washington. (FILED IN NOTE WASHINGTON NOTEBOOK).
- 4246 James, M. C. 1941. Reports of vice-Presidents of Divisions. Report of the Division of Fish Culture. Transactions of American Fisheries Society. 17th Annual Meeting, Sept. 5-6, 1940. 26-29.
- 4247 Smith, O. R. and P. R. Needham. 1942. Problems arising from the transplantation of trout in California. California Fish and Game, 28:1 22-27.
- 4248 Gottschalk, J. 1942. Reports of Vice-Presidents of Divisions: Report of the

Division of Fish Culture. Transactions of the American Fisheries Society, 71st annual meeting, St. Louis, Missouri, Aug. 25-26, 1941, Washington, DC.

- 4249 Foerster, R. E. 1931. Comparison of the natural and artificial propagation of salmon. Transactions of the American Fisheries Society, 61st annual meeting, Hot Springs, AK, 121-130.
- 4250 Darwin, L. H. and E. V. Smith. 1919. Fish culture methods in Washington State Hatcheries. Fish Culture Methods in the Hatcheries of the State of Washington, 3-19, Olympia, WA.
- 4251 Foerster, R. E. 1938. An investigation of the relative efficiencies of natural and artificial propagation of sockeye salmon (*Oncorhynchus nerka*) at Cultua Lake, British Columbia. Journal Fisheries Research Board of Canada 4:3 151-161.
- 4252 Pacific Fisherman. 1912. Father of salmon canning industry passes away. 10:3 17.
- 4253 Hayden, M. V. 1930. History of the salmon industry of Oregon. Masters Thesis, Unviersity of Oregon, Eugene, OR.
- 4254 Pacific Fisherman. 1916. Fourth Annual Canned Salmon Day Celebrated. Vol. 14:3.
- 4255 Hume, R. D. 1903. History of the salmon industry of the Pacific. Pacific Fisherman. Vol 1:9 12.
- 4256 Morris, G. P. 1937. Development of Astoria, 1811-1850. The Oregon Historical Quarterly 38:4 413-424.
- 4257 Howay, F. W. 1934. The Brig Owhyhee in the Columbia 1929-1930. The Oregon Historical Quarterly 35:1 10-21.
- 4258 Morison, S. E. 1927. New England and the opening of the Columbia River salmon trade, 1830. The Oregon Historical Quarterly 28:2 111-132.
- 4259 McKeown, M. F. 1949. The Trail Led North: Month Hawthorne s Story. The Mccmillan Company, New York, NY.
- 4260 Barker, W. H. 1920. Reminiscences of the salmon industry. Pacific Fisherman Year Book, January Issue.
- 4261 Pacific Fisherman. 1906. The Smith fish cleaning machine. 4:1 45-47.

- 4262 Hendrick, P. 1906. The salmon industry of Puget Sound. *Pacific Fisherman* 4:1
- 4263 May, E. C. 1937. *The Canning Clan: A Pageant of Pioneering Americans*. The Macmillan Company.
- 4264 Moore, E. 1938. Stream and lake inventories as initial steps in fisheries management research. Transactions of the Third North American Wildlife Conference, Feb 14-17, 1938, Lord Baltimore Hotel, Baltimore, MD, Washington, DC.
- 4265 Hubbs, C. L. 1937. Fish management: Looking Forward. Transactions of the American Fisheries Society, 66th Annual Meeting, Grand Rapids, MI, Sept. 2-4, 1936. Washington, DC.
- 4266 Pritchard, A. L. 1932. Relation of tagging programs to the conservation of Pacific salmon off the coast of British Columbia. Transactions of the American Fisheries Society, 62th Annual Meeting, Baltimore, MD, Sept. 21-23, 1932.
- 4267 Smith, E. V. 1920. The taking of immature salmon in the waters of the State of Washington. Report of Washington Department of Fisheries, Olympia, WA.
- 4268 Gordon, S. 1933. Scientific management: Our future fisheries job. Transactions of the American Fisheries Society, 63th Annual Meeting, Columbus, OH Sept. 18-20, 1933. Washington, DC.
- 4269 Errington, P. L. 1948. In appreciation of Aldo Leopold. *The Journal of Wildlife Management*, 12:4 341-348.
- 4270 King, W. 1952. The first year of federal aid in fish restoration: The Dingell-Johnson Act in operation. *The Progressive Fish Culturist* 14:4 135-147.
- 4271 U. S. Fish Commission Report. 1880. Human agencies as affecting the fish supply and the relation of fish culture to the American fisheries. (Influence of civilized man on the abundance of animal life.) Part VI Report of the Commissioner for 1878, Washington, DC. (Filed in U. S. Fish Commission Notebook)
- 4272 Ricker, W. E. 1947. Hell's Gate and the sockeye. *Journal of Wildlife Management* 11:1 10-20.

- 4273 Van Cleve, R. 1952. The School of Fisheries. The Progressive Fish-Culturist 14-4 159-164.
- 4274 Bryant, H. C. 1921. A brief history of the California Fish and Game Commission. California Fish and Game 7:2 73-86.
- 4275 Mace, R. U. 1980. Chronological history of fish and wildlife administration in Oregon. Oregon Department of Fish and Wildlife, Portland, OR.
- 4276 Highlights and History of Department of Game, State of Washington, Washington State Archives, RG-64 Game, ACC 187-2-71 Box 15 Habitat Management.
- 4277 Cranston, C. K. 1913. The fish and game laws of Oregon. Transactions of the American Fisheries Society, 42nd Annual Meeting, Denver, CO Sept. 3-5, 1912. Washington, DC.
- 4278 Bert, I. I. 1971. History of the Washington State Department of Fisheries 1890-1970. Olympia, WA.
- 4279 Peterson, W. T. ... Upwelling indices and annual catches of Dungeness crab, Cancer magister, along the west coast of the United States. 902-910.
- 4280a Washington Department of Ecology. 1990. Toward 2010: An environmental action agenda. Environment 2010. Olympia, WA.
- 4280b Washington Department of Ecology. 1989. The State of the Environment Report. Environment 2010, Olympia, WA.
- 4281 Bureau of Land Management. 1990. Fish and Wildlife 2000. Annual Progress Report, Fiscal Year 1990. Washington, DC.
- 4282 U. S. Fish Commission. 1874. Reports of special conferences with the American Fish-Culturists Association and State Commissioners of Fisheries. (Chapter XXXIII) 757-773. Part II. Report of the Commissioner for 1872 and 1873, Washington, DC. (Filed in U. S. Fish Commission Notebook)
- 4283 Young, A. 1854. The Natural History and Habits of the Salmon with Reasons for the Decline of the Fisheries. Longman, Brown, Green and Longmans, London.
- 4284 Good, G. B. , J. W. Collins, R. E. Earll, and A. H. Clark. 1883. Materials for a history of the mackerel fishery. Extracted from the Annual Report of

- the Commissioner of Fish and Fisheries for 1881. Washington, DC.
- 4285 Pacific Fisherman. 1906. Increasing use of gasoline engines in fishing industry. June 1906, Vol. 5 No. 6.
- 4286 Pacific Fisherman s, News Section. 1958. 60 years ago: When a fish boat engine was a dream of pioneers. December Vol 56:13 20.
- 4287 Power Applied to Lifting Gillnets: Columbia River gillnetters devise means of reducing toil and increasing speed of operating their gear; One-man fishing aided materially.
- 4288 Marine Engines and supplies - Picture of power boat.
- 4289 International Fisheries Exhibition. 1883. An Illustrated Description of the Electric Light Machinery in the Exhibition, with Elementary Notes on the Production of Electric Currents. William Clowes and Sons, Limited, London.
- 4290 Collins, J. W. 1890. The fishing vessels and boats of the Pacific Coast. Bulletin of the U. S. Fish Commission Vol. X for 1890. Washington, DC. The Miscellaneous Documents of the House of Representatives for the first session of the 52nd Congress 1891-92. (1892) Washington, DC. (Filed in the Commissioners Notebook on the shelf)
- 4291 Gilbert, C. H. and B. W. Evermann. 1895. A report upon investigations in the Columbia River Basin, with descriptions of four new species of fishes. Bulletin of the United States Fish Commission Vol. XIV for 1894. Washington, DC. (Filed in U. S. Commissioners Notebook on the shelf)
- 4292 Gray, L. C. 1913. The economic possibilities of conservation. Quarterly Journal of Economics 497-519.
- 4293 Costanza, R. 1980. Embodied energy and economic valuation. Science 210:44751219-1224.
- 4294 Gray, L. C. Rent under the assumption of exhaustibility. Quarterly Journal of Economics 467-489.
- 4295 Huettner, D. A. 1982. Economic values and embodied energy. Science 216:4550 1141-143 (Rebutal from R. Costanza)
- 4296 Ise, J. 1925. The theory of value as applied to natural resources. 284-291.
- 4297 Hotelling, H. 1931. The economics of exhaustible resources. The Journal

of Political Economy. 39:2 137-175.

- 4298 Kettinger, K. 1995. Salmon back! Flathead Fishing Association. 4:1
- 4299 Jones, Major W. A. 1887. The salmon fisheries of the Columbia River. U. S. Senate 50th Congress 1st Session, Ex. Doc. No. 123. Letter from the Secretary of War in response to Senate resolution of January 27, 1887, report on the salmon fisheries of the Columbia River. (Filed in Notebook with U. S. Commission Reports on shelf)
- 4300 AFS 2000 - Request for donations.
- 4301 Warren, Brad. 1994. What s ahead for Pacific salmon. National Fisherman December issue.
- 4302 Noss, R. F. Landscape connectivity: Different functions at different scales. 27-39
- 4303 Soule, M. E. Theory and strategy. 91-104
- 4304 Joint Fishery Party Intervenors in FERC #2342. 1995. Joint agency/tribal plan for ecosystem restoration of the White Salmon River.
- 4304 Hammerhead City. Why would large predators with no natural enemies form schools of 200 or more? Natural History 10/95.
- 4305 Hilborn, R. 1992. Hatcheries and the future of salmon in the northwest. Fisheries 17:1 5-8.
- 4306 Delarm, M. A., E. Wold and R. Z. Smith. Columbia River Fisheries Development Program fishways and stream improvement projects. NOAA Technical Memorandum NMFS F/NWR-20, NMFS.
- 4307 General Accounting Office. 1994. Ecosystem management: Additional actions needed to adequately test a promising approach. GAO/T-RCED-94-308.
- 4308 Giorgi, A. E., D. R. Miller, and B. P. Sandford. 1994. Migratory characteristics of juvenile ocean-type chinook salmon, *Oncorhynchus tshawytscha*, in John Day Reservoir on the Columbia River. Fishery Bulletin 92(4) 872-879.
- 4309 The Conservation Fund. 1994. Report of the National Fish Hatchery Review Panel. (Report funded by the National Fish and Wildlife Foundation).

- 4310 Mottley, C. McC. The origin and relations of the rainbow trout. American Fisheries Society. 323-327.
- 4311 Dauble, D. D. and D. G. Watson. 1990. Spawning and abundance of fall chinook salmon (*Oncorhynchus tshawytscha*) in the Hanford Reach of the Columbia River. PNL-7289 Battelle Pacific Northwest Laboratory, Richland, WA.
- 4312 Craig, J. L. Preliminary report: Klamath River juvenile salmonid emigration monitoring pulsed flow evaluation and Klamath Basin drought impacts 1994 salmon production. Coastal California Resource Office, Arcata, CA.
- 4313 McConnaha, W. E. and P. J. Paquet. in press. Adaptive strategies for the management of ecosystems: The Columbia River experience. AFS Publication Multidimensional Approaches to Reservoir Fisheries Management.
- 4314 Buck, E. H. 1973. Alaska and the law of the sea: National Patterns and trends of fishery development in the North Pacific. University of Alaska, Anchorage, AK.
- 4315 Burgert, R. M. and G. W. Mendel. 1995. Survival of chinook salmon released directly from a Snake River hatchery versus transported downstream. Washington Dept. of Fish and Wildlife, Olympia, WA.
- 4316 Waples, R. S. 1991. Genetic interactions between hatchery and wild salmonids: Lessons from the Pacific Northwest. Canadian Journal of Fisheries and Aquatic Science 48 (Suppl. 1): 124-133.
- 4317 Bottom, D. L. 1994. To till the water: A history of ideas in fisheries conservation. ODFW.
- 4318 Johnson, T. H. Density of steelhead parr for mainstem rivers in western Washington during the low flow period, 1984. Washington State Game Department, Fisheries Management Division 85-6, Port Townsend, WA.
- 4319 Johnson, T. H. 1988. Snow Creek anadromous fish research, July 1, 1987 to June 30, 1988. Anadromous fish conservation project Performance Report. Washington Department of Wildlife, Fisheries Management Division 88-17, Port Townsend, WA.
- 4320 Johnson, T. H. and R. Cooper. 1991. Snow Creek anadromous fish research, July 1, 1990 to June 30, 1991. Anadromous fish conservation

project Performance Report. Washington Department Wildlife, Fisheries Management Division 92-5, Port Townsend, WA.

- 4321 Gibbon, R. G., P. K. J. Hahn, and T. H. Johnson. 1985. Methodology for determining MSH steelhead spawning escapement requirements. Washington State Game Department, Fisheries Management Division 85-11, Olympia, WA.
- 4322 Johnson, T. H. 1988. Juvenile sea-run cutthroat trout presence, abundance, and density for tributaries entering south Puget Sound during August and October, 1987. Washington Department of Wildlife, Fisheries management Division 88-18, Port Townsend, WA.
- 4323 Johnson, T. H. and R. Cooper. 1986. Snow Creek anadromous fish research. January 7, 1985-June 30, 1986. Washington State Game Department, Fisheries Management Division, 86-18, Port Townsend, WA
- 4324 Rich, W. H. 1921-22. A statistical analysis of the results of the artificial propagation of chinook salmon. Mimeographed report.
- 4325 Franklin, J. F. and T. Blinn. Natural vegetation of Oregon and Washington (Commentary and Bibliographic supplement) Pacific Northwest Research Station, Oregon State University Press, Corvallis, OR.
- 4327 Saltzman, W. O. 1965. A review of Kokanee management on the Oregon coast. Oregon State Game Commission.
- 4328 Starr, R. M. 1979. Oregon marine and estuarine habitat classification systems. Oregon Dept. of Fish and Wildlife, Research and Development Section, Corvallis, OR.
- 4329 Kreag, R. A. 1979. Natural Resources of Coquille Estuary. Estuary Inventory Report. Research and Development Section, Oregon Department of Fish and Wildlife, Vol. 2 No. 7.
- 4330 Ratti, F. 1979. Natural Resources of Umpqua Estuary. Estuary Inventory Report. Research and Development Section, Oregon Department of Fish and Wildlife, Vol. 2 No. 5.
- 4331 Ratti, F. 1979. Natural Resources of Rogue Estuary. Estuary Inventory Report. Research and Development Section, Oregon Department of Fish and Wildlife, Vol. 2 No. 8.
- 4332 White, R. J., J. R. Karr, and W. Nehlsen. 1995. Better roles for fish stocking in aquatic resource management. American Fisheries Society

Symposium 15:527-547.

- 4333 Starr, R. M. 1979. Natural Resources of Nestucca Estuary. Estuary Inventory Report. Research and Development Section, Oregon Department of Fish and Wildlife, Vol. 2 No. 3.
- 4334 Starr, R. M. 1979. Natural Resources of Siletz Estuary. Estuary Inventory Report. Research and Development Section, Oregon Department of Fish and Wildlife, Vol. 2 No. 4.
- 4335 Mundy, P. R., B. Watson, and R. Tuck. 1995. Migratory behavior of juvenile spring chinook salmon (*Oncorhynchus tshawytscha*) in relation to water flow in the Yakima River, Washington. Draft Manuscript.
- 4336 McGovern, T. H., G. Bigelow, T. Amorosi, and D. Russell. 1988. Northern Islands, Human error, and environmental degradation: A view of social and ecological change in the medieval North Atlantic. *Human Ecology* 16:3 225-270.
- 4337 Dentler, J. L. 1993. Noah's farce: The regulation and control of exotic fish and wildlife. *University of Puget Sound Law Review* 17:1 191-242.
- 4338 Northwest Power Planning Council. 1992. Genetics and salmon production. Staff Discussion Paper 92-07.
- 4339 Northwest Power Planning Council. 1992. Columbia River Basin fish and wildlife program framework. Staff Discussion Paper 92-05.
- 4340 Northwest Power Planning Council. 1990. Yakima Production Project: review of preliminary design report. Staff Issue Paper 90-9.
- 4341 Northwest Power Planning Council. 1988. Salmon and steelhead research and monitoring. Staff Issue Paper 88-23.
- 4342 PACFISH. A multiple-use federal lands watershed management strategy.
- 4343 Wertheimer, A. 1988. Hooking mortality of chinook salmon released by commercial trollers. *North American Journal of Fisheries Management*, 8: 346-355.
- 4344 Washington Department of Fisheries, Puget Sound Treaty Indian Tribes, and Northwest Indian Fisheries Commission. 1993. A review of recent studies of hooking mortality for chinook and coho salmon with recommendations for fishery management and future research. Washington Department of Fisheries, Olympia, WA.

- 4345 Kreag, R. A. 1979. Natural Resources of Netarts Estuary. Estuary Inventory Report. Research and Development Section, Oregon Department of Fish and Wildlife, Vol. 2 No. 1.
- 4346 U. S. Army Corps of Engineers, U. S. Bureau of Reclamation and Bonneville Power Administration. 1994. Supplemental biological assessment on federal Columbia River power operations.
- 4347 Columbia River Fish Management Plan
- 4348 Summary of U. S. v. Oregon and the Columbia River Fish Management Plan.
- 4349 Steele, W. W., Jr. 1994. Statement to Northwest Power Planning Council.
- 4350 Biological opinion federal Columbia River power operations 1994-98. DRAFT
- 4351 National Marine Fisheries Service, Northwest Region. 1995. Endangered Species Act - Section 7 Consultation. Predecisional ESA Document.
- 4353 Oregon Department of Fish and Wildlife. 1986. The steelhead plan: An overview.
- 4354 Andrew, F. J. and G. H. Green. 1960. Sockeye and pink salmon production in relation to proposed dams in the Fraser River system. International Pacific Salmon Fisheries Commission, Bulletin XI, New Westminster, BC.
- 4355 Pacific Salmon Commission. 1994. Report of the Fraser River Panel to the Pacific Salmon Commission on the 1991 Fraser River sockeye and pink salmon fishing season. Vancouver, BC.
- 4356 Land Conservation Council. 1991. Rivers and streams final recommendations. Melbourne, Victoria, Australia.
- 4357 Larkin, P. A. 1958. The investigation of fish-power problems. H. R. MacMillan Lectures in Fisheries. Articles include: Clemens, W. A. The Fraser River salmon in relation to potential power development. Vernon, E. H. Power development on lakes in British Columbia. Hourston, W. R. Power developments and anadromous fish in British Columbia.
- 4358 Gilhousen, P. 1990. Prespawning mortalities of sockeye salmon in the Fraser River system and possible causal factors. International Pacific Salmon Fisheries Commission, Bulletin XXVI, Vancouver, BC.

- 4359 Gilhousen, P. 1980. Energy sources and expenditures in Fraser River sockeye salmon during their spawning migration. International Pacific Salmon Fisheries Commission, Bulletin XXII, Vancouver, BC.
- 4360 Gilhousen, P. 1960. Migratory behavior of adult Fraser River sockeye. International Pacific Salmon Fisheries Commission, Progress Report No. 7, Vancouver, BC.
- 4361 Pacific Salmon Commission. 1988. Report of the Fraser River Panel to the Pacific Salmon Commission on the 1986 Fraser River sockeye salmon fishing season. Vancouver, BC.
- 4362 Pacific Salmon Commission. 1988. Report of the Fraser River Panel to the Pacific Salmon Commission on the 1987 Fraser River sockeye and pink salmon fishing season. Vancouver, BC.
- 4363 Pacific Salmon Commission. 1989. Report of the Fraser River Panel to the Pacific Salmon Commission on the 1988 Fraser River sockeye salmon fishing season. Vancouver, BC.
- 4364 Pacific Salmon Commission. 1990. Report of the Fraser River Panel to the Pacific Salmon Commission on the 1989 Fraser River sockeye and pink salmon fishing season. Vancouver, BC.
- 4365 Easley, J. E., Jr. 1976. Costs and returns of alternative mountain trout processing facilities. Economics Information Report No. 47, North Carolina State University, Raleigh, NC.
- 4366 Watling, L., D. Bottom, A. Pembroke and D. Maurer. 1979. Seasonal variations in Delaware Bay phytoplankton community structure. *Marine Biology* 52: 207-215.
- 4367 Bottom, D. L., K. K. Jones, and J. D. Rodgers. 1988. Fish community structure, standing crop, and production in upper South Slough (Coos Bay) Oregon. NOAA Technical Report Series OCRM/SPD.
- 4368 Efron, B. and C. Morris. Stein's paradox in statistics.
- 4369 Cramer, S. and R. Boyce. 1986. Effects of flow and temperature during winter on production of spring chinook in the Rogue River. Draft ODFW.
- 4370 U. S. Department of Interior, USDA USFS and ODFW. 1985. Smith River basin anadromous fish overview.

- 4371 Everest, F. H. 1975. An economic evaluation of anadromous fishery resources of the Siskiyou National Forest.
- 4372 James, G. 1984. Imnaha River Basin: Recommended salmon and steelhead habitat improvement measures. Working Paper, Confederated Tribes of the Umatilla Indian Reservation.
- 4373 Seckler, D. W. On the uses and abuses of economic science in evaluating public outdoor recreation. 485-494.
- 4374 Halter, A. N. and S. F. Miller. River basin planning: A simulation approach. Agricultural Experiment Station Special Report 224, Corvallis, OR.
- 4375 Smith, Dean C. 1978. The economic value of anadromous fisheries for Six Rivers National Forest. USDA Forest Service Region 5.
- 4376 Hirose, P. 1984. Northeastern Oregon spring chinook and summer steelhead spawning ground surveys, 1967-83. Oregon Department of Fish and Wildlife Information Report 84-3.
- 4377 Bond, C. E. 1973. Keys to Oregon Freshwater Fishes. Agricultural Experiment Station Technical Bulletin 58, Corvallis, OR.
- 4378 Hammond, R. J. 1959. The character of the water-pollution problem. (Benefit-Cost Analysis) Benefit-cost analysis and water pollution control. Food Research Institute, Stanford University, Stanford, CA.
- 4379 Hammond, R. J. 1959. Benefit-cost analysis and water pollution control. Food Research Institute, Stanford University, Stanford, CA.
- 4380 Ricker, W. E. 1946. Production and utilization of fish populations. Contribution No. 355, Department of Zoology, Indiana University. Ecological Monographs 16:4 375-391.
- 4381 Ricker, W. E. and R. E. Foerster. 1948. Computation of fish production. Bulletin of the Bingham Oceanographic Collection 11:4 173-211.
- 4382 Draft report of Nehalem steelhead report. ODFW.
- 4383 Notes and papers from Harry Stuart.
- 4384 Lichatowich, J. A. ... The Effect of low-head hydroelectric production on recruitment of spring chinook salmon in the Rogue River, Oregon. Draft copies with comments.

- 4385 Lampman, Ben Hur. 1946. The Coming of the Pond Fishes. Binford & Mort, Publishers, Portland, OR.
- 4386 Ranck, G. N. 1902. Pictures from Northwest History. Facsimile Reproduction 1965, The Shorey Book Stores, Seattle, WA SJS #115.
- 4387 Jordan, D. S. 1906. The trout and salmon of the Pacific Coast. Drawings from nature by Sekko Shimada. Extract from Pacific Monthly April 1906. Facsimile Reprint 1965, The Shorey Book Store, Seattle, WA SJS #71.
- 4388 McGie, A. 1982. Memo on: Stock recruitment analysis of spring chinook salmon in the North Fork Umpqua River. ODFW.
- 4389 U. S. Forest Service. 1972. A classification of forest environments in the South Umpqua Basin. Pacific NW Forest and Range Exp. Station, PNW-129, Portland, OR.
- 4390 Sedell, J. R. and F. H. Everest. A baseline habitat survey for providing standardized information for system planning. PNW Research Station, US Forest Service, Corvallis, OR.
- 4391 Interagency Ecological Study Program for the Sacramento-San Joaquin Estuary. 1980. Predation management for the peripheral canal fish facilities. Delta fish facilities technical coordinating committee. Working Justification Paper No. 5.
- 4392 United States Court of Appeals for the Ninth Circuit. Environmental Groups vs. NWPPC, Petition to review a decision of the Bonneville Power Administration. 1994. Natural resources and energy/environmental law/wildlife and habitat.
- 4393 Magnuson Fishery Conservation and Management Act. As amended through January 12, 1983. NOAA.
- 4394 Pacific Fisheries Management Council. 1979. Freshwater habitat, salmon produced and escapements for natural spawning along the Pacific coast of the United States. Portland, OR.
- 4395 Rich, W. H. 1939. Local populations and migration in relation to the conservation of Pacific salmon in the western states and Alaska. Department of Research, Fish Commission of the State of Oregon, Contribution No. 1. Salem, OR. (5 copies)
- 4396 Lauman, J. E. 1976. Salmonid passage at stream-road crossings. A report

with department standards for passage of salmon. Oregon Department of Fish and Wildlife, Portland, OR.

- 4397 Pacific Fishery Management Council, Groundfish Management Team. 1991. Environmental assessment and regulatory impact review for the proposed season opening date for Pacific whiting. Portland, OR.
- 4398 Kittell, C. M., W. T. McGover, W. J. McNeil, D. G. Schlip, R. W. Shoning. 1982. Report to governor on coho salmon situation in Oregon in 1982. Salmon Advisory Committee, Portland, OR.
- 4399 Nehring, R. B. and J. B. Ruch. 1987. Stream Fishereis Investigations. Federal Aid Project F-51-R. Colorado Division of Wildlife, Fish Research Section, Fort Collins, CO.
- 4400 Liss, W. J. 1977. Toward a general theory of exploitation of fish populations. Ph.D. dissertation, Oregon State University, Corvallis, OR.
- 4401 Oregon Estuarine Research Council. 1977. A bibliography of estuarine research in Oregon. Oregon State University Sea Grant. Corvallis, OR.
- 4402 Oregon Estuarine Research Council. 1977. A compendium of current research and management programs concerning Oregon s estuaries. Oregon State University Sea Grant. Corvallis, OR.
- 4403 Oregon Coastal Conservation and Development Commission. 1974. Fish and wildlife resources Oregon Coastal Zone. Portland, OR.
- 4404 Treaty with tribes of middle Oregon - 1855.
- 4405 Tollefson, T. C. The people, fish and shellfish resources and the Washington State Department of Fisheries.
- 4406 Washington State Department of Game. 1984. Draft. A basic fishery management strategy for resident and anadromous trout in the stream habitats of the State of Washington.
- 4407 Mongillo, P. E. 1984. A summary of salmonid hooking mortality. Washington Department of Game.
- 4408 Pitney, W. E. 1972. A special report on Savage Rapids Dam fish passage and related problems. Oregon State Game Commission.
- 4409 Rivers, Cole M. 1947. A report on tests conducted to determine the effects of Savage Rapids Dam on the fishery of Rogue River with

- recommendations for corrections. Oregon State Game Commission.
- 4410 Miscellaneous information on Rogue River study.
- 4411 National Marine Fisheries Service. 1979. Report on the effects of Savage Rapids Dam and associated irrigation distribution system on anadromous fish.
- 4412 Rivers, Cole M. 1960. A plan for the shut-down of the Gold Ray plant of the California Oregon Power Company, Rogue River, Oregon Game Commission.
- 4413 Dimick, J. B. and C. M. Rivers. 1952. Fish mortality caused by passage through the turbine of the Gold Hill and Gold Ray hydroelectric plants on the Rogue River.
- 4414 Chamberlin, T. C. 1897. The method of multiple working hypotheses. *Geology* 5: 837-848.
- 4415 Richardson, S. L. 1981. Spawning biomass and early life of northern anchovy (*Engraulis mordax*), in the northern subpopulation off Oregon and Washington. *Fishery Bulletin* 78:4 855-876.
- 4416 Vanderhorst, J. R. and P. Wilkinson. ... The littleneck clam (*Protothaca staminea*) as a tool for potential oil pollution assessment: I. Density of stock. Draft - Battelle Pacific Northwest Laboratories, Sequim, WA.
- 4416b Vanderhorst, J. R. Testing hypotheses about the effects of pollutants on benthic population and community indices.
- 4417 McIntyre, J. D. Trends in the Pacific coho salmon fisheries. Draft. NMFS.
- 4418 Vanderhorst, J. R., J. W. Anderson, P. Wilkinson, and D. L. Woodruff. 1978. Estimation of effects from oil on intertidal populations: Experimental perturbations versus natural variation. Final. PNW Lab, Battelle, Sequim, WA.
- 4419 Gunsolus, R. T. 1978. The status of Oregon coho and recommendations for managing the production, harvest and escapement of wild and hatchery reared stocks. Oregon Department of Fish and Wildlife. Columbia Region.
- 4420 Wakefield, W. W., J. P. Fisher and W. G. Percy. 1981. Studies of juvenile salmonids off the Oregon and Washington coast, 1981. School of Oceanography, Oregon State University, Corvallis, OR.

- 4421 Fisher, J. P., W. G. Pearcy and A. W. Chung. 1984. Studies of juvenile salmonids off the Oregon and Washington coast, 1983. School of Oceanography, Oregon State University, Corvallis, OR.
- 4422 Phillips, R. W. 1987. A review of stream riparian conditions on tributaries of Silvies, Malheur, and John Day and Burnt Rivers. Oregon Dept. of Fish and Wildlife.
- 4423 Matthews, D. R. 1983. Feeding ecology of the common murre, *Uria aalge*, off the Oregon coast. M. S. Thesis, University of Oregon, Eugene, OR.
- 4424 Morris, R. F. 1965. Contemporaneous mortality factors in population dynamics. *Canad. Ent.* 97: 1173-1184.
- 4425 Everest, F. H. 1977. Evaluation of fisheries for anadromous salmonids produced on western national forests. *Fisheries* 2:2 8.
- 4426 Tuttle, M. E., J. A. Richard, and R. J. Wahle. 1975. Partial net economic values for salmon and steelhead for the Columbia River system. National Marine Fisheries Service,.
- 4427 Smith, S. H. 1979 Memo to EAB Files. Savage Rapids Dam - fish passage through screens.
- 4428 Bayer, R. D. and D. Varoujean. 1984. El nino and bird numbers near a salmon hatchery at Yaquina estuary, Oregon. (Oregon Aqua Foods, Newport)
- 4429 Varoujean, D. H. and D. R. Matthews. 1983. Distribution, abundance and feeding habits of seabirds off the Columbia River, May-June, 1982. University of Oregon Institute of Marine Biology, Report No. OIMB 83Ä1 Charleston, OR.
- 4430 Bayer, R. D. 1986. Seabirds near an Oregon estuarine salmon hatchery in 1982 and during the 1983 El Nino. *Fishery Bulletin* 84:2 279-286.
- 4431 Bayer, R. D. 1983. Seasonal occurrences of ten waterbird species at Yaquina estuary, Oregon. *Murrelet* 64: 78-86.
- 4432 Fortune, J. D., Jr. and J. E. Lauman. 1971. Observations of salmonid rearing in Wilson and Trask Rivers, spring and summer, 1968. Oregon State Game Commission, Basin Investigations Section. Portland, OR.
- 4433 Order dismissing petition to intervene to Federal Power Commission. Buzzard s Roost Project. 1962. Coos-Curry Electric Cooperative.

- 4434 Rivers, C. M. and J. B. Dimick. 1951. A third study of fish mortalities on Rogue River resulting from the action of hydroelectric power turbines of the Pacific Portland Cement Company, Gold Hill, Oregon. Memo to H. J. Rayner, June 16, 1951.
- 4435 Rivers, C. M. and J. B. Dimick. 1950. The results of the second study of fish mortalities on Rogue River due to hydroelectric power turbines of the Pacific Portland Cement Company. Memo to H. J. Rayner, July 13, 1950.
- 4436 Rivers, C. M. 1958. A study of the proposed shut-down period for the California Oregon Power Company s Gold Ray power station on Rogue River for the protection of downstream migrant salmon and steelhead. Memo to H. J. Rayner, February 26, 1958.
- 4437 Rivers, C. M. 1957. Special Report: 1957 tests of fish losses in the turbines of the Gold Ray power plant, California-Oregon Power Company, Rogue River. Memo to John Rayner, July 19, 1957.
- 4438 Rivers, C. M. 1956. The results of a special study of fish losses at the Gold Ray power plant of the California Oregon Power Company on Rogue River. Memo to John Rayner, August 30, 1956.
- 4439 Rivers, C. M. and J. B. Dimick. 1953. Preliminary testing—to determine effects of fyke netting on fish in different velocities and fishing time. Memo to John Rayner, June 28, 1953.
- 4440 Rivers, C. M. 1953. Outline of contemplated turbine tests on Rogue River. (Gold Hill). Memo to John Rayner, April 10, 1953.
- 4441 Rivers, C. M. 1955. Reconnaissance survey report of proposed hydroelectric development on the Lower Illinois River by the Coos-Curry Electric Cooperative. Memo to C. J. Campbell, Dec. 16, 1955.
- 4442 Rivers, C. M. 1953. Experiments to be performed in the Rogue River to determine the degree of injury to downstream migrant fish resulting from fyke netting procedures. Memo to H. J. Rayner, May 1, 1953.
- 4443 Pacific Power and Light Surrender of Minor Part License for Gold Ray Project.
- 4444 Proceedings of fish habitat improvement workshop, Ochoco Ranger Station, Sept. 26-27, 1978. Oregon Department of Fish and Wildlife.
- 4445 Rousseau, R. R. 1970. Testimony before State Water Resources Board on

behalf of Oregon State Game Commission.

- 4446 Bottom, D. L., Howell, P. J. and J. D. Rodgers. 1983. Salmonid habitat restoration. ODFW Final Report.
- 4447 Herrig, R. G. 1969. Reservoir research at Round Butte, Prineville, and Ochoco Reservoirs in Central Oregon. Oregon State Game Commission.
- 4448 Herrig, R. G. 1973. Reservoir research at Round Butte, Prineville, and Ochoco Reservoirs in Central Oregon. Oregon State Game Commission.
- 4449 Herrig, R. G. 1971. Reservoir research at Round Butte, Prineville, and Ochoco Reservoirs in Central Oregon. Oregon State Game Commission.
- 4450 Herrig, R. G. 1967. Reservoir research at Round Butte, Prineville, and Ochoco Reservoirs in Central Oregon. Oregon State Game Commission.
- 4451 Polskey, G. R. and R. M. Jenkins. 1980. Inventory of U. S. Reservoirs. U. S. Fish and Wildlife Service.
- 4452 U. S. Fish and Wildlife Service. 1984. Upper John Day Project, final report draft.
- 4453 Hutchison, J. M. and E. W. Claire. 1970. An outline of fishery problems associated with hydroelectric and municipal developments on the Sandy River. Oregon State Game Commission, Portland, OR.
- 4454 Potter, B. A., B. R. Zalewski and B. A. Barton. 1982. Summary and annotated bibliography of salmonid stocking investigations, stocking assessment methodology and stocking policies in North America. Fish Culture Section, Ontario Natural Resources, Toronto.
- 4455 Kreag, R. A. 1979. Natural resources of Sand Lake estuary. Estuary Inventory Report, 2:2.
- 4456 Herrig, R. G. 1966. Habitat Improvement project. Fishery Division, Oregon State Game Commission. Reservoir research 1965-66 No. 22.
- 4457 Willamette Basin Fish Management Plan. 1980. Oregon Department of Fish and Wildlife.
- 4459 Willamette Basin Fish Management Plan. 1986. Status and Progress 1979-85. Oregon Department of Fish and Wildlife.
- 4460 Bennett, D. E. 1982. Fish passage at Willamette Falls in 1981. National

Marine Fisheries Service and U. S. Fish and Wildlife Service.

- 4461 Sams, R. E. and K. R. Conover. 1969. Water quality and the migration of fall salmon in the lower Willamette River. Final Report. Fish Commission of Oregon.
- 4462 Faulkenberry, G. D. and C. D. Cowan. 1974. 1974 Willamette River spring chinook sport fishery. Oregon State University, Corvallis, OR.
- 4463 Fisheries Reprint Series. Biometrics Vol. 5. 1949.
- 4464 Borgerson, Lisa. 1992. Memo with attached table (Table 1. Estimates of the contribution of wild, hatchery yearling, and hatchery accelerated coho to the ocean fisheries. Scale analysis was the method used to identify group membership.) 12/92.
- 4465 Bottom, D. L. and K. K. Jones. 1990. Species composition, distribution, and invertebrate prey of fish assemblages in the Columbia River estuary. Prog. Oceanography 25: 243-270.
- 4466 Bottom, D. L., K. K. Jones and M. J. Herring. 1984. Fishes of the Columbia River estuary. Final Report on the Fish Work Unit of the Columbia River Estuary Data Development Program, Oregon Department of Fish and Wildlife, Portland, OR.
- 4467 Dickoff, W., B. Beckman, and D. Larsen. 1996. Progress report on Yakima spring chinook project. Memo January 30, 1996.
- 4468 Beckman, B. R., D. A. Larsen and W. W. Dickhoff. The relationship of fish size and growth to smoltification in spring chinook salmon. I. Migratory Tendencies. Northwest Fisheries Science Center-NMFS and School of Fisheries, University of Washington.
- 4469 Beckman, B. R., W. W. Dickhoff, D. A. Larsen, S. Moriyama and B. Lee-Pawlak. . The relationship of fish size and growth to smoltification in spring chinook salmon. II. Plasma Insulin-like growth factor-I and other physiological measures. Northwest Fisheries Science Center-NMFS, and School of Fisheries, University of Washington.
- 4470 Li, H. W. K. Currens, D. Bottom, S. Clarke, J. Dambacher, C. Frissell, P. Harris, R. Hughes, D. McCullough, A. McGie, K. Moore, R. Nawa, and S. Thiele. 1995. American Fisheries Society Symposium 17:000-000. (need new volumn number)
- 4471 Reeves, G. H., L. E. Benda, K. M. Burnett, P. A. Bisson, and J. R. Sedell.

1995. A disturbance-based ecosystem approach to maintaining and restoring freshwater habitats of evolutionarily significant units of anadromous salmonids in the Pacific Northwest. *American Fisheries Society Symposium* 17: 334-349.
- 4472 Bureau of Sport Fisheries and Wildlife. 1964. A proposed development program for anadromous fish in California. Pacific Region, Portland, OR.
- 4473 Hutchison, J. M. 1965. The fish and wildlife resources of the middle coast basin, Oregon, and their water use requirements. Oregon State Game Commission, Portland, OR.
- 4474 Massey, J. B. 1967. The downstream migration of juvenile anadromous fish at Willamette Falls, Oregon. Columbia River Fishery Development Program, Oregon State Game Commission, Portland, OR.
- 4475 Frissell, C. A. and D. Bayles. 1995. Ecosystem management and the conservation of aquatic biodiversity and ecological integrity. Submitted to *Water Resources Bulletin*. "Dialogue of Water Issues" section.
- 4476 Massey, J. B. 1967. The downstream migration of juvenile anadromous fish at Willamette Falls, Oregon. Columbia River Fishery Development Program, Oregon State Game Commission, Portland, OR.
- 4475 Frissell, C. A. and D. Bayles. 1995. Ecosystem management and the conservation of aquatic biodiversity and ecological integrity. Submitted to *Water Resources Bulletin*. "Dialogue of Water Issues" section.
- 4476 Frissell, C. A., W. J. Liss, R. E. Gresswell, R. K. Nawa, and J. L. Ebersole. In press. A resource in crisis: Changing the measure of salmon management. In *Pacific Salmon and Their Ecosystems: Status and Future Options*. D. J. Stouder, R. A. Bisson and R. J. Naiman (eds.) Chapman and Hall.
- 4477 McGie, A. M. 1985. Oregon coastal salmon spawning surveys and straying of private hatchery coho salmon from Yaquina and Coos Bays, 1984. Oregon Department of Fish and Wildlife, Charleston, OR.
- 4478 Haas, J. B. 1965. Fishery problems associated with Brownlee, Oxbow, and Hells Canyon Dams on the middle Snake River. Investigational Report No. 4, Fish Commission of Oregon, Portland, OR.
- 4479 Gaumer, T. F. 1968. Closing report behavior of juvenile anadromous salmonids in the Imnaha River, September 1964 - June 1967. Research Division, Fish Commission of Oregon, Portland, OR.

- 4480 Reeher, J. A., J. A. Hewkin, and D. C. West. 1965. Reduction of salmonid predators by chemical treatment. Columbia Fishery Development Program. Habitat Improvement Project, Fishery Division, John Day River No. 12, Oregon State Game Commission, Portland, OR.
- 4481 Mattson, C. R. 1962. Early life history of Willamette River spring chinook salmon. Fish Commission of Oregon, Portland, OR.
- 4482 A Consensus Report by Pacific Northwest Economists. Economic Well-Being and Environmental Protection in the Pacific Northwest. 1996. Downloaded from Internet AFSEEE Home Page.
- 4483 River and Stream Restoration - Abstracts. 1995.
- 4484 Bilby, R. E., B. R. 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 Science 53(1): 164-173.
- 4485 Austin, S. H. 1995. Rethinking relationships. Journal of Forestry. 30-34.
- 4486 Packet of materials from Dick Goin on Olympic Peninsula, 1996.
- 4487 Zhivotovsky, L. A. , M. W. Feldman and A. Beroman. 1996. On the evolution of phenotypic plasticity in a spatially heterogeneous environment. Evolution 50(2) 547-558.
- 4488 Orians, G. H. 1962. Natural selection and ecological theory. The American Naturalist. Vol. XCVI No. 890. 257-263.
- 4489 Manguson, J. J. 1991. Fish and fisheries ecology. Ecological Applications 1(1): 13-26.
- 4490 Geist, D. R. 1995. The Hanford Reach: What do we stand to lose? Illahee 11:3-4 130-141.
- 4491 Theurer, F. D., I. Lines, and T. Nelson. 1985. Interaction between riparian vegetation, water temperature, and salmonid habitat in the Tucannon River. Water Resources Bulletin. 21:1 53-64.
- 4492 Black, R. W. 1993. Writing environments: Notes from an urban field. Praxis 4: 73-86
- 4493 Bakke, B. M. 1994. Wild trout in North America: Regional perspectives

- angler group viewpoint. *Wild Trout V*: 21-28.
- 4494 Hilborn, R. and S. R. Hare. 1992. Hatchery and wild fish production of anadromous salmon in the Columbia River Basin. Fisheries Research Institute, University of Washington FRI-UW-9107, Seattle, WA.
- 4495 Davidson, F. A. and J. T. Barnaby. Old report. Survey of Quinault River system and its runs of sockeye salmon. (Has data from 1908 to 1935)
- 4496 Gall, G. A. E. 1977. Steelhead management - Do we understand the potential of hatcheries. Proceedings of the Genetic Implications of Steelhead Management Symposium. Hassler, T. J. and R. R. VanKirk (eds.) California Cooperative Fishery Research Unit, Humboldt State University, Special Report 77-1.
- 4497 Jones, K. K., C. A. Simenstad, D. L. Higley and D. L. Bottom. 1990. Community structure, distribution, and standing stock of benthos, epibenthos, and plankton in the Columbia River estuary. *Prog. Oceanography* 25: 211-241.
- 4498 Kwain, Wen Hwa and E. Thomas. 1984. The first evidence of spring spawning by chinook salmon in Lake Superior. *Management Briefs in North American Journal of Fisheries Management* 4: 227-229.
- 4499 Mullan, J. W. 1982. Spring chinook salmon program Leavenworth, Entiat, and Winthrop Hatcheries, U. S. Fish and Wildlife Service, Administrative Report, Leavenworth, WA.
- 4500 Lucchetti, G. and R. Fuerstenberg. 1993. Management of coho salmon habitat in urbanizing landscapes of King County, Washington, USA. Pags 308-317 in L. Berg and P. W. Delaney, (eds.) *Proceedings of Coho Workshop*, Nanaimo, BC, May 26-28, 1992.
- 4501 Wapner, P. Toward a meaningful ecological politics. *Tikkun* 11:3 21-24 .
- 4502 Bottom, D. L., K. K. Jones, J. D. Rodgers, and R. F. Brown. 1993. Research and management in the Northern California Current ecosystem. Chapter 24 Pages 259-271 in K. Sherman, L. M. Alexander and B. D. Gold (eds.) *Large Marine Ecosystems: Stress, Mitigation, and Sustainability*. American Association for the Advancement of Science, AAAS Press, Washington, DC.
- 4503 Ebel, W. J., C. D. Becker, J. W. Mullan and H. L. Raymond. 1989. The Columbia River – toward a holistic understanding. Pages 205-219 in D. P. Dodge (ed.) *Proceedings of the International Large River Symposium*. Can.

Spec. Publ. Fish. Aquat. Sci. 106.

- 4504 Towle, J. C. 1987. The great failure: Nineteenth-century dispersals of the Pacific Salmon. California Geographical Society XXVII 75-96.
- 4505 Lawson, P. W. Cycles in ocean productivity, trends in habitat quality, and the restoration of salmon runs in Oregon.
- 4506 Rahr, G. R., III, S. M. Whidden, M. Scurlock, R. Hubley and W. Maxon. 1996. A draft proposal for the establishment of a system of refuges to protect anadromous salmonids and other native fish species in Oregon. The Fish Refuge Working Group, 117 S.W. Front Avenue, Portland, OR
- 4507 Walsh, C. 1960. The Good Old Days: A review of game and fish administration in Oregon. Memographed report, Oregon State Game Commission.
- 4508 Wick, W. Q. 1985. A short history of the Department of Fish and Game and Fur Animal Management – now Fisheries and Wildlife. Presented during the 50th reunion gathering July, 1985, Benton County Fairgrounds, Corvallis, OR.
- 4509 U.S.D.A. Forest Service. 1995. Trout creek watershed analysis report. Pacific Northwest Region, Ochoco National Forest, Prineville Ranger District, Prineville, OR.
- 4510 Bayer, Range D. 1986. Seabirds near an Oregon estuarine salmon hatchery in 1982 and during the 1983 El Nino. Fishery Bulletin, 84(2): 279-286.
- 4511 U.S.D.A. 1982. Sediment transport, water quality and changing bed conditions, Tucannon River, southeastern Washington. Spokane, WA.
- 4512 Armstrong, Ellis, L. 1971. Burnt River Project, Oregon, Dark Canyon Division. Bureau of Reclamation.
- 4513 Memorandum to Regional Director, U. S. Bureau of Reclamation, Boise, ID From Regional Director Bureau of Sport Fisheries and Wildlife. 1967. Burnt River Project, Dark Canyon Division, Oregon.
- 4514 Letter to Paul T. Quick, Bureau of Sport Fisheries and Wildlife, Portland, OR from P. W. Schneider, Director, Oregon State Game Commission. June 5, 1967.
- 4514 Thomas, Jack Ward. Ethics for Natural Resource Managers.

- 4516 Botton, D. L. 1995. Perspective: Restoring Salmon Ecosystems. Accepted. *Restoration and Management Notes*, Winter 1995.
- 4517 Jacobs, R., G. Larson, J. Meyer, N. Currence, J. Hinton, M. Adkison, R. Burgner, H. Geiger, and L. Lestelle. 1996. The sockeye salmon (*Oncorhynchus nerka*) population in Lake Ozette, Washington, USA. U. S. Department of Interior, National Park Service, Tech. Rept NPS/CCSOSU/NRTR-96/04.
- 4518 Reading, D., and B. Johnson. 1996. The economic impact of steelhead fishing and the return of salmon fishing in Idaho. Idaho Fish and Wildlife Foundation, Boise, ID.
- 4519 The Elway Poll. 1992. Long Way from Salmon Consensus. What Cost Wild Salmon? Vol. 1 No. 5 May 1992.
- 4519a Corvallis Gazette Times. Dec. 9, 1997. Oregonians willing to protect salmon. Poll conducted.
- 4519b Oregonian. Dec. 7, 197. Salmon tops environmental worries: The importance of Salmon. By Johathan Brinckman. Portland, OR.
- 4520a Lyman, W. D. 1919. History of the Yakima Valley Washington. Some of the poetry of irrigation. Pages 376-385.
- 4520b Olympic Theatre Arts and Jamestown S'Klallam Tribe. 1997. River gone run. Musical. Grant from Washington State Centennial Clear Water Fund.
- 4521 Chronology of American Conservation Movement - Library of Congress - Internet. 1847-1920
- 4522 Fisher Service Bulletin. January 2, 1935. U. S. Department of Commerce. 1 page. Topics include: States endorse bureau's program of fish protection at Bonneville Dam. The Second Pacific Northwest Regional Planning Conference.
- 4523 Taft, A. D. 1938-1940. A summary of the present status of dams versus migratory fishes on the Pacific coast with especial reference to problems in California. Stanford Ichthyological Bulletin. Vol 1. 205-208.
- 4524 Washington Department of Fishereis and Game (Pollock, Division of Fisheries). 1932. Bulletin No. 31, December 7, 1932. (Puget Sound, Columbia River, Grays Harbor, Willapa Harbor).
- 4525 Chapman, W. M. and E. Quistorff. 1938. The food of certain fishes of

- North Central Columbia River drainage, in particular, young chinook salmon and steelhead trout. Department of Fisheries State of Washington Biological Report No. 37A.
- 4526 Chapman, W. M. 1938. The oxygen consumption of salmon and steelhead trout. Department of Fisheries State of Washington Biological Report No. 37A.
- 4527 Harper's Magazine. 1862. Fish Culture. Vol 24. 541-545. (Historical Review) (Scotland hatchery)
- 4528 Mottley, C. McC. 1936. The hooked snout in the salmonidae. Pacific Biological Station, Nanaimo, B.C. in Progress Reports of Pacific Biological Station, Nanaimo, B. C. and Pacific Fisheries Experimental Station, Prince Rupert, B. C. Biological Board of Canada, No. 30.
- 4529 Nicholas, J. W. and T. W. Downey. 1989. Looking back on two decades of work at Elk River Hatchery: Has there been harmony between the natural and artificial production systems? And Has Elk River been a prototype conservation hatchery? First Draft, March 1989. Oregon Department of Fisheries and Wildlife, Corvallis, OR.
- 4530 Pacific Fisherman. 1903. Borax in salmon. Dr. Jordan recommends hatcheries. Advertise salmon. Puget Sound Review. Food value of salmon. Fish cleaning machines. Canneries. Vol 1 No. 7 pages 5-10.
- 4531 Pacific Fisherman. 1903. National fish culture. Vol 1 No. 10 page 20.
- 4532 Orsi, J. A. and A. C. Wertheimer. 1995. Marine vertical distribution of juvenile chinook and coho salmon in southeastern Alaska. Transactions of the American Fisheries Society. 124:2 159-193.
- 4533 Pacific Salmon Commission. 1991. Report of the Fraser River Panel to the Pacific Salmon Commission on the 1990 Fraser River sockeye salmon fishing season.
- 4534 Mullen, Bob. October 21, 1986. Memo to Lichatowich, Wagner, Carter. Commercial vs sport fishery budget expenditures.
- 4535 Wong, Jack. Director, Fish and Wildlife Division, Northwest Power Planning Council. Memo to Interested Parties. Information on Hatcheries. December 10, 1996.
- 4536 Substitute House Bill SHB 2463, Implementation Plan. State of Washington. Olympia, WA. WDFW to develop a plan for the restoration of

the naturally spawning salmon stocks found in the watersheds of Hood Canal, the north Olympic Coast and Strait of Juan de Fuca.

- 4537 Boyce, M. S. 1992. Population viability analysis. (Fautin, D. G., D. J. Futuyma, and F. C. James (eds.)) *Annual Review of Ecology and Systematics*, Vol. 23: 481-506.
- 4538 Boule, M. E. and K. F. Bierly. 1987. History of estuarine wetland development and alteration: What have we wrought? *The Northwest Environmental Journal* 3:1 43-61.
- 4539 Dewberry, C., P. Burns and L. Hood. 1997. The effects of the storms of 1996 on anadromous fish-bearing reaches in the Knowles Creek watershed. Manuscript submitted to *Ecological Restoration*.
- 4540 Cortner, H. J., M. A. Shannon, M. G. Wallace, S. Burke, and M. A. Moote. 1996. Institutional barriers and incentives for ecosystem management: A problem analysis. USDA Forest Service, Pacific Northwest Research Station, PNW-GTR-354. Portland, OR.
- 4541 Selected papers on Individual-based models. Requested by Chuck Coutant. March 20, 1997.
- 4542 Bennett, W. A. and P. B. Moyle. 1996. Where have all the fishes gone? Interactive factors producing fish declines in the Sacramento-San Joaquin estuary. Pages 519-541 in J. T. Hollibaugh, ed. *San Francisco Bay: The Ecosystem*. AAAS, San Francisco, CA.
- 4543 Moyle, P. B. 1996. Potential aquatic diversity management areas. Sierra Nevada Ecosystem Project: Final Report to Congress: Vol. II. Assessments and Scientific Basis for Management Options. Davis, University of California, Centers for Water and Wetland Resources.
- 4544 Moyle, P. B. 1996. Biotic integrity of watersheds. Sierra Nevada Ecosystem Project: Final Report to Congress: Vol. II. Assessments and Scientific Basis for Management Options. Davis, University of California, Centers for Water and Wetland Resources.
- 4545 Campbell, E. A. and P. B. Moyle. 1990. Historical and recent population sizes of spring-run chinook salmon in California. *Proceedings, 1990 Northeast Pacific Chinook and Coho Salmon Workshop*. American Fisheries Society, Humboldt State University, Arcata, CA. Pages 155-216.
- 4546 Yoshiyama, R. M., E. R. Gerstung, F. W. Fisher, and P. B. Moyle. 1996. Historical and present distribution of chinook salmon in the Central Valley

- drainage of California. Final Report to Congress: Vol. III. Assessments and Commissioned Reports, and Background Information. Davis, University of California, Centers for Water and Wetland Resources.
- 4547 The Lateral Line. February 1997 and August 1977. A backwards glance. 120 Years Ago.
- 4548 Dodds, G. B. 1959. Artificial propagation of salmo in Oregon, 1875-1910. A chapter in American conservation. Pacific Northwest Quarterly, 50:4 125-134.
- 4549 Jay, T. 1996. Familiar Music Reinhabiting Languge. Orion, Autum, 1996.
- 4550 Duncan, David. 1996. How to hope like a coho. Speech presented at "Who will catch the rain?" Governor's Watershed Enhancement Board Conference, Seaside, OR Nov. 14, 1996.
- 4551 Additional petitions to list Pacific salmon stocks under the Endangered Species Act. (ESA) Oregon Natural Resources Council, Portland, OR.
- 4552 Manning, R. 1996. The forest that fish built: salmon, timber and people in Willapa Bay. Perspectives on Conservation-Basted Development, No. 1. Ecotrust, Portland, OR.
- 4553 Herrington, W. C. 1948. Limiting factors for fish populations some theories and an example. A Symposium on Fish Populations. January 10-11, 1947. Bulletin of the Bingham Oceanographic Collection Peabody Museum of Natural History, Yale University. 9:4 229-283, New Haven, Conn.\
- 4554 Herrington, W. C. 1949. The role of intraspecific competition and other factors in determining the population level of a major marine species. Ecological Monographs, 17: 3 317-323, The Duke University Press, Durham, NC.
- 4555 Herrington, W. C. 1944. Factors controlling population size. Transactions of the Ninth North American Wildlife Conference, American Wildlife Institute, Washington, DC.
- 4556 Petersen, C. G. Joh. 1900-0-3. What is Over-fishing? Journal of the Marine Biological Association of the United Kingdom. Vol. 6.
- 4557 Oregon Historical Quarterly. 1960. Salmon Ceremony.
- 4558 Oregon Historical Quarterly. 1953. Mythology of Indians.

- 4559 Gile, Albion. 1955. Notes on Columbia River Salmon. Oregon Historical Quarterly.
- 4560 Oregon Historical Quarterly. 1957. Columbia River Fishing and Trading Company, Fort Hall.
- 4561 Cunningham, Glenn. 1953. Oregon's First Salmon Canner, "Captain" John West.
- 4562 Preston, William K. 1955. Letter to the Editor. Oregon Historical Quarterly. Alsea Indian Skull thrown into the river.
- 4563 Oregon Historical Quarterly. 1940. Feast of the Salmon. Vol. XLI. 2.
- 4564 Oregon Fish Commission. 1964. Biennial Report July 1, 1962 to June 30, 1964. Log Jams - pictures
- 4565 Duncan, Angus. 1996. A governance model for the Columbia River. A paper prepared for general distribution by the Columbia/Pacific Policy Institute for energy and the environment at Lewis and Clark College.
- 4566 Roosevelt, Theodore. 1908. Eighth Annual State of the Union Message. The salmon fisheries of the Columbia River are now but a fraction of what they were 25 years ago, and what they would be now if the U. S. Government had taken complete charge of them by intervening between Oregon and Washington.
- 4567 McConnaha, W. E. and P. J. Paquet. 1996. Adaptive strategies for the management of ecosystems: The Columbia River experience. American Fisheries Society Symposium 16:410-421.
- 4568 Reimer, Hessberg, Lee, Thurow, Sedell. 1996. In review. Native fishes of forest health: Conflict or opportunity? Sustainability Workshop, Victoria, BC. (2-21-97).
- 4569 Buchal, J. 1997. The great salmon hoax: The collapse of science and law and the triumph of politics in salmon recovery.
- 4570 Pacific Northwest Attitude Surveys on Salmon. List compiled by Court Smith
- 4571 Gilden, J. and C. Smith. 1996. Survey of Oregon Troll Permit Owners:

Summary of Results. Oregon State University Sea Grant ORESU-T-96-002

- 4572 Salmon Symbolism. List compiled by Court Smith.
- 4573 Gilden, J. and C. Smith. 1996. Survey of Gillnetters in Oregon and Washington: Summary of Results. Oregon State University Sea Grant ORESU-T-96-001.
- 4574 Pulwarty, R. S. and K. T. Redmond. 1997. Climate and salmon restoration in the Columbia River Basin: the role and usability of seasonal forecasts. *Bulletin of the American Meteorological Society* 78(3):381-397.
- 4575 National Marine Fisheries Service. 1997. Report to Congress: Summary of scientific studies of the hatchery system in the Pacific Northwest. Portland Office.
- 4576 Soverel, Pete. 1997. Kamchatka Steelhead Project: A successful joint Russian-American conservation effort that involves sponsor anglers. *Fly Fisherman*, July 1997.
- 4577 (CRITFC) Columbian River Inter-Tribal Fish Commission. 1996. Spirit of the Salmon. The Columbia River Anadromous Fish Restoration Plan of the Nez Perce, Umatilla, Warm Springs, and Yakama Tribes. Volumes I.
- 4578 (CRITFC) Columbian River Inter-Tribal Fish Commission. 1996. Spirit of the Salmon. The Columbia River Anadromous Fish Restoration Plan of the Nez Perce, Umatilla, Warm Springs, and Yakama Tribes. Volumes II.
- 4579 Herrmann, R. B. 1954. Scale study of Willamette River spring chinook salmon. ODFW memographed report.
- 4580 Reeves, G. H., et al. 1995. A Disturbance-based ecosystem approach to maintaining and restoring freshwater habitats of evolutionarily significant units of anadromous salmonids in the Pacific Northwest. *American Fisheries Society Symposium* 17: 334-349.
- 4581 Ricker, W. E. 1975. The Fisheries Research Board of Canada—Seventy-five years of achievements. *Journal of Fisheries Research Board of Canada* 32:8 1465-1490.
- 4582 Pacific Northwest Development Association. Probably 1949. The untold story of the Pacific Northwest Progress... proof that we don't need CVA dictatorship here! Room 205 Multnomah Hotel, Portland 4, Oregon.

- 4583 The Oregonian. 1997. The great salmon feast. A \$3 billion effort to save salmon has spawned an industry, but it's failed to help the fish because we don't know what to do. Editorial, July 30, 1997 page E8.
- 4584 Dunn, J. Richard. 1997. Charles Henry Gulbert (1859-28): Pioneer Ichthyologist of the American West. Pages 265-278, Chapter 13, in Collection Building in Ichthyology and Herpetology.
- 4585 Sinclair, M. and P. Solemdal. 1988. The development of "population thinking" in fisheries biology between 1878 and 1930. *Living Resource* 1: 189-213.
- 4586 Nielsen, L. A. 1976. The evolution of fisheries management philosophy. Marine Fisheries Review Paper 1226, 15-23.
- 4587 Kelley, T. 1947. Fishery Conservation in Washington. The Pacific Northwest Quarterly. 38: (1) 19-34.
- 4588
- 4589 Strickland, R. R. 1989. Flagship: A history of fisheries at the University of Washington. Publications in Fisheries, University of Washington School of Fisheries. Kendal/Hunt Publishing Company, Dubuque, IA (Chapter 1 The Cobb Years.)
- 4590 Johnstone, K. 1977. The Aquatic Explorers: A history of the Fisheries Research Board of Canada. Fisheries Research Board.
- 4591 Needham, P. R. 1939. Migratory fishes and dam construction in west coast rivers. Transactions of the Fourth North American Wildlife Conference, February 13-15, 1939, Washington, DC.
- 4592 Neuberger, R. L. 1945. The great salmon experiment. Harper's Magazine 190: (1137) 229-236.
- 4593 Chase, S. 1933. A vision of kilowatts. (a new industrial strategy: a breakup of factory cities, a scattering of population) Fortune Magazine. April issue. Pages 35-36, 101-110.
- 4596 1932. U. S. Power Resource: Where Interests of Many are Concerned Interests of Few Must Yield. Newspaper article about Governor Roosevelt's speech and trip to the Northwest.
- 4597 Parman, D. L. 1984. Inconstant advocacy: The erosion of Indian fishing

- rights in the Pacific Northwest, 1933-1956. Pacific Historical Review Vol. LIII 163-189.
- 4598 Cramer, F. K. and D. F. Hammack. 1952. Salmon research at Deer Creek, California. Special Scientific Report No. 67, USDI, Fish and Wildlife Service.
- 4599 Washington Department of Fish and Wildlife and Tribes. 1997. Policy of Washington Department of Fish and Wildlife and the Western Washington Treaty Tribes Concerning Wild Salmonids. With Additional Policy Guidance to WDFW concerning Wild Salmonid Policy: Fish Population Management Elements.
- 4600 Conservation strategies for restoration of salmonids of the Pacific Northwest. July 1993-96 Proposal at Oregon State University to EPA.
- 4601 A proposal for Russian and American Cooperation to Protect and Restore Salmon Populations, Watersheds, and Forests in the Russian Far East and the Western United States. April 16, 1993.
- 4602 Williams, J. G. and T. C. Bjorn. 1996. Fall chinook salmon survival and supplementation studies in the Snake River and lower Snake River reservoirs. Draft. Prepared for U. S. Army Corps of Engineers and BPA.
- 4603 International Council for the Exploration of the Sea. 1997. Annual Science Conference Abstracts, Sept. 25-Oct 3, 1997. Baltimore, MD.
- 4604 Cross, J. N. , D. W. Brown, and J. M. Kurland. 1997. Essential fish habitat: A new fisheries management tool. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.
- 4605 Carlberg, S. R. and S. Evans. 1997. Experiences of applying the precautinary approach in environmental management in a European framework. A Discussion Paper. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.
- 4606 Cockcroft, A. C. and A. I. L. Payne. 1997. Cautious fisheries management in South Africa: The fisheries for rock lobster. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.
- 4607 Cook, R. M. 1997. The application of a sustainability criterion to demersal stocks in the ICES area. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.
- 4608 Gabriel, W., F. Serchuk and M. Terceiro. 1997. Application of the

precautionary approach from the bottom up: Uncertainty and stock rebuilding in the mid-Atlantic region of the northwest Atlantic. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.

- 4609 Cass, A. and B. Riddell. 1997. A life history model for assessing alternative management policies for depressed chinook salmon from the west coast of Vancouver Island, British Columbia. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.
- 4610 Rice, J. 1997. Multispecies considerations in the development and provision of precautionary advice: Report from the 1997 meeting of the Multispecies Assessment Working Group. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.
- 4611 Lewy, P. and H. Lassen. 1997. From chaos to stability. The influence of stock-recruitment dynamics. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.
- 4612 Coleman, F., C. Koenig and C. Grimes. 1997. Management and conservation of temperate reef fishes. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.
- 4613 Hansen, L. P., J. A. Jacobsen and R. A. Lund. 1997. The incidence of escaped farmed Atlantic salmon, *Salmo salar* L., in the Faroese fishery and estimates of catches of wild salmon. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.
- 4614 Hansen, L. P. and J. A. Jacobsen. 1997. Origin and migration of wild and escaped farmed Atlantic salmon, *Salmo salar* L., tagged and released north of the Faroe Islands. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.
- 4615 Jacobsen, J. A., R. A. Lund and L. P. Hansen. 1997. Smolt age and sea age distributions of Atlantic salmon in the sea north of the Faroe Islands during 1991 to 1995. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.
- 4616 Dempson, J. B., V. A. Pepper, G. Furey, M. Bloom, T. Nicholls and G. Hoskins. 1997. Evaluation of an alternate strategy to enhance salmon populations: Cage rearing wild Atlantic salmon smolts from Conne River, Newfoundland. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.

- 4617 Nellen, W. and E. Plate. 1997. Rainbow trouts and brown trouts in European Rivers. Do they compete? International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.
- 4618 Letcher, B. H. and T. L. King. 1997. Tools for evaluation of anadromous fish restoration: Potential for large-scale genetic marking of Connecticut River Atlantic salmon. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.
- 4619 Skilbrei, O. T. and O. Skaala. 1997. A comparison between three Atlantic salmon river stocks; Using classical population genetics, differences in life history traits and performance in sea ranching. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.
- 4620 Chelkowski, Z. 1997. Quantitative decrease of the Atlantic salmon brood stock in the Drawa River. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.
- 4621 Reisenbichler, R. R. 1997. Genetic changes from artificial propagation of Pacific salmon affect population viability. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.
- 4622 Karlstrom, O. and L. Karlsson. 1997. Previous and current status of Swedish salmon populations: Threats and their mitigation. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.
- 4623 ICES list of participants. 1997. International Council for the Exploration of the Sea, Annual Science Conference Baltimore, MD.
- 4624 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 Science* 45: 2080-2086.
- 4625 Carmel Finley. - Packet of budget materials from Pacific Salmon Coordinating Committee. Agency operating expenditures for 1996.
- 4626 Smith, S. G., W. D. Muir, E. E. Hockersmith and others. 1997. Survival estimates for the passage of juvenile salmonids through Snake River Dams and reservoirs, 1996. Annual Report to BPA, Project 93-29.
- 4627 Johnson, G. E., A. E. Giorgi, M. W. Erho. 1997. Critical assessment of surface flow bypass development in the Lower Columbia and Snake Rivers.

Completion Report, U. S. Army Corps of Engineers, Portland and Walla Walla Districts.

- 4628 Higgins, Pat, D. Fuller and S. Dobush. Stocks of salmon, steelhead and cutthroat trout of northern California at risk of extinction. Manuscript.
- 4629 Crittenden, R. 1995. (version) Salmon at Risk: A study of public policy in Washington State. Olympia, WA.
- 4630 Bottom, D. L., J. A. Lichatowich and C. A. Frissell. 1996. Variability of marine ecosystems and relation to salmon production. Contribution to Discussion Papers for themes 1 to 3 for the Pacific Northwest Coastal Ecosystem Region Study (PNCERS). Oregon State University, Corvallis, OR.
- 4631 Oregon Department of Fish and Wildlife. 1997. Strategic operational Plan. Summary Document. Portland, OR.
- 4632 Barinaga, M. 1996. A recipe for river recovery? River ecologists are advocating a broader approach to rescuing damaged rivers, betting that restoring the physical processes that shape a river's habitats will bring back ailing fisheries. *Science* 273: 1648-1650. Also another article
- Wootton, J. Timothy, M. S. Parker and M. E. Power. 1996. Effects of disturbance on river food webs. *Science* 273: 1558-1561.
- 4633 Beamesderfer, R. C. P. and R. A. Farr. 1996. Alternatives for the protection and restoration of sturgeons and their habitat. Accepted for *Environmental Biology of Fishes*.
- 4634 Whitney, R. R. and S. T. White 1984. Report to the Northwest Power Planning Council, Tasks 3 and 4. See file folder which includes several documents. School of Fisheries, University of Washington, Seattle, WA.
- 4635 Thompson, W. F. 1922. The marine fisheries, the state and the biologist. *The Scientific Monthly* Vol. 15: 542-550, The Science Press, New York, NY.
- 4636 Higgins, E. 1934. Fishery biology: Its scope, development, and applications. *The Quarterly Review of Biology*. Vo. 9: 275-291.
- 4637 Nature. 1885. The reports of the United States Commission of Fish and Fisheries for 1881 and 1882. *Nature* Vol. 32 May 1885 to October 1885. Macmillan and Co., New York, NY.

- 4638 References and further readings. Looking Glass Universe. The Emerging Science of Wholeness. Briggs and Peat.
- 4639 McHenry, D. C. Morrill and E. Currence. 1994. Spawning gravel quality, watershed characteristics and early life history survival of coho salmon and steelhead in five North Olympic Peninsula watersheds. Lower Elwha Klallam Tribe, Port Angeles, WA.
- 4640 Fredricksen, R. L. 1965. Sedimentation after logging road construction in a small western Oregon watershed. Proceedings of the Federal Inter-Agency Sedimentation Conference, 1963. U. S. Dept. Agr. Mixc. Pub. 970.
- 4641 Gross, M. R. 1986. The evolution of diadromy in fishes. Draft. Dept. of Biological Sciences, Simon Fraser University, Burnaby, B.C.
- 4642 Pacific Fishery Management Council. 1982. Perspective on Management of Ocean Chinook and Coho Salmon Fisheries off California, Oregon and Washington.
- 4643 Oregon Forest Practices Act. ORS 527.510.
- 4644 Netboy, A. 1981. Fishery at the Brink. American Forests. January 1981.
- 4645 Royal, L. A. 1953. The effects of regulatory selectivity on the productivity of Fraser River Sockeye. The Canadian Fish Culturist, 14: 1-12.
- 4646 Royal, L. A. and A. Seymour. 1940. Building new Salmon Runs: Puget Sound sockeye salmon plantings show varying degrees of success. The Progressive Fish-Culturist November-December 1940.
- 4647 Hanson, H. A., O. R. Smith and P. R. Needham. 1940. U. S. Bureau of Fisheries, Special Scientific Report No. 10. Washington, DC.
- 4648 Fine, Janice. 1997. Speech at Grantmakers 1997 in Alaska. She's from Northeast Action, Alaska.
- 4649 Taylor, P. J. 1988. Technocratic optimism, H. T. Odum, and the partial transformation of ecological metaphor after World War II. Journal of the History of Biology 21:2 213-244.
- 4650 Dunn, J. R. 1996. Charles Henry Gilbert (1859-1928): An early fishery biologist and his contributions to knowledge of Pacific salmon (*Oncorhynchus* spp.). Review in Fisheries Science 4(2): 133-184.
- 4651 Dunn, J. R. 1996. Charles H. Gilbert, Pioneer ichthyologist and fishery

- biologist. *Marine Fisheries Review* 58(1-2):1-28.
- 4652 Cobb, J. N. 1929. History of fisheries in the State of Washington. *The Washington Historical Quarterly*, 20: 3-11.
- 4653 Clemens, W. A. 1958. Reminiscences of a Director. *Journal of Fisheries Research Board of Canada*, 15(5): 779-796.
- 4654 Needler, A. W. 1958. Fisheries Research Board of Canada Biological Station, Nanaimo, BC, 1908-1958. *Journal of Fisheries Research Board of Canada*, 15(5): 759-777.
- 4655 Cobb, J. N. 1928. Fisheries Education. *Transactions of American Fisheries Society*, 58: 146-152
- 4656 Cobb, J. N. 1928?? Preliminary report of fishway work. (A comprehensive final report covering all phases of this work is in course of preparation and will appear as a *Fisheries Bulletin* of the University of Washington).
- 4657 Wickliff, E. L. 1933. A summary of fisheries research. *Transactions of the American Fisheries Society*, 63rd Annual Meeting.
- 4658 American Fisheries Society. 1995. History of the North American Fisheries Policy. *Fisheries*, April page 7.
- 4659 Schultz, L. P. 1937. Some principles of biological fisheries research. *Transactions of the American Fisheries Society*, 66nd Annual Meeting.
- 4660 1962 Fisheries Research Institute Presentations. Van Cleve, R. 1962. Research and the future of the U. S. fishing industry. W. F. Royce, Introduction. Fisheries Research Institute, University of Washington, Circular No. 163.
- 4661 Van Cleve, R. 1972. The history of the College of Fisheries. (Dean College of Fisheries, University of Washington). In *Progress in Fishery and Food Science*. University of Washington Publication in Fisheries, New Series, Vol. 5, Seattle, WA. Pages 7-9
- 4662 Herrington, W. C. 1972. Social and political barriers to fish culture. Speech at *Progress in Fishery and Food Science*. University of Washington Publication in Fisheries, New Series, Vol. 5, Seattle, WA. Pages 213-217.
- 4663 Bergman, P. K., S. B. Mathews and G. J. Paulik. 1972. A model of a salmon hatchery system. *Progress in Fishery and Food Science*. University of Washington Publication in Fisheries, New Series, Vol. 5, Seattle, WA.

Pages 219-223.

- 4664 McKernan, D. L. 1972. Science and politics in national fishery management. Progress in Fishery and Food Science. University of Washington Publication in Fisheries, New Series, Vol. 5, Seattle, WA. Pages 111-114.
- 4665 Jewell, D. D. 1972. Science and politics in state fishery management. Progress in Fishery and Food Science. University of Washington Publication in Fisheries, New Series, Vol. 5, Seattle, WA. Pages 109-110.
- 4666 Rodgers, D. T. 1982. In search of progressivism. Reviews in American History. The Johns Hopkins University Press.
- 4667 Kipling, Rudyard. 1969. "American Salmon. (A sketch from American Notes) with a note by E. H. Eby. Pacific Northwest Quarterly, 60:4 177-182.
- 4668 Clark, E. E. Indian Thanksgiving in the Pacific Northwest. .
- 4669 Wilkes, C. (Commander of the U. S. Exploring Expedition, 1838-1842) 1911. Document: Report of the Territory of Oregon. The Quarterly of the Oregon Historical Society 12(3):269-299.
- 4670 Jordan, David Starr. 1898. California and the Californians. The Atlantic Monthly 82: 494 793-801.
- 4671 Evermann, B. W. 1896. A preliminary report upon salmon investigations in Idaho in 1894. Bulletin of the U. S. Fish Commission Vol. 15. Pages 253-284.
- 4672 Pacific Fisherman. 1931. Federal Reclamation Bureau Arraigned for ignoring State's fishway laws. March 1931, vol 29(4). Quote from O'Malley.
- 4673 Riddell, B. E. 1993. Spatial organization of Pacific salmon: What to conserve? Pages 23-41 in J. G. Cloud and G. H. Thorgaard (eds.) Genetic Conservation of Salmonid Fishes, Plenum Press, New York, NY.
- 4674 Riddell, B. E. 1993. Salmonid enhancement: Lessons from the past and a role for the future. Pages 338-355 in D. Mills (ed.) Salmon in the Sea and New Enhancement Strategies. Blackwell Scientific Publications Ltd., Oxford, Eng.
- 4675 Currens, K. P., A. R. Hemmingsen, R. A. French and D. V. Buchanan, C.

- B. Schreck and H. W. Li. In press Introgression and susceptibility to disease in a wild population of rainbow trout. OSU Agr. Exp. Station Technical Paper No. xxxx.
- 4676 O'Malley, H. 1928. Symposium on Fisheries and Fishery Investigations: Our opportunities: our responsibilities. Part II. Proceedings of the Divisional Conference, January 4 to 7, 1927. (in) Progress in Biological Inquiries 1926. Washington, DC.
- 4677 Congressional Record. 1931. Proceedings and Debates of the Third Session of the 71st Congress of the U.S.A. 74:1 Dec. 1-Dec. 19, 1930. Sockeye Salmon Treaty by Governor Roland Hartley, State of Washington. Reply by Mr. Miller Freeman.
- 4678 Black, M. 1995. Tragic remedies: A century of failed fishery policy on California's Sacramento River. Pacific Historical Review February 1995, 64:1 37-70.
- 4679 Eicher, G. J. 1977. Clackamas dams and anadromous fish: A history of fish and dams on the Clackamas River in Oregon. Portland General Electric, Portland, OR.
- 4680 Schoettler, Robert J., 1953. Helping Nature. Washington Department of Fisheries 62nd Annual Report, Olympia, WA.
- 4681 Naiman, R. J., J. M. Melillo, and J. E. Hobbie. 1986. Ecosystem alteration of boreal forest streams by beaver (*Castor canadensis*). Ecology 67(5): 1254-1269.
- 4682 Naiman, R. J., C. A. Johnston, and J. C. Kelley. 1988. Alteration of North American streams by beaver: The structure and dynamics of streams are changing as beaver recolonize their historic habitat. Bioscience 38(11): 753-762.
- 4683 Johnston, C. A. and R. J. Naiman. 1990. Browse selection by beaver: Effects on riparian forest composition. Canadian Journal of Forest Research. 20: 1036-1043.
- 4684 Johnson, D. R. and D. H. Chance. 1974. Presettlement overharvest of upper Columbia River beaver populations. Canadian Journal of Zoology 52: 1519-1521.
- 4685 Johnston, C. A. and R. J. Naiman. 1987. Boundary dynamics at the aquatic-terrestrial interface: The influence of beaver and geomorphology. Landscape Ecology 1(1): 47-57.

- 4686 White, R. J. 1994. Hatchery versus wild salmon. Presentation at the New England Atlantic Salmon Management Conference, Danvers, MA.
- 4687 Moser, J. E. 1899. The salmon and salmon fisheries of Alaska. U. S. Commission of Fisheries, Washington, DC.
- 4688 Foote, C. J., I. Mayer, C. C. Wood, W. C. Clarke and J. Blackburn. 1993. On the developmental pathway to nonanadromy in sockeye salmon, *Oncorhynchus nerka*. *Canadian Journal of Zoology* 72: 397-405.
- 4689 Van Cleef, J. S. 1885. How to restore our trout streams. Transactions of the American Fisheries Society, 14th Annual Meeting, Washington, DC.
- 4690 Bunting, R. 1995. The environment and settler society in western Oregon. *Pacific Historical Review*, 64(3) 413-432.
- 4691 Turner, J. Gary Snyder and the practice of the wild. (Chapter 5) Pages from *What is Deep Ecology*.
- 4692 LaChapelle, D. Ritual—the pattern that connects. (Chapter 8) Pages from *What is Deep Ecology*.
- 4693 Janik, Del Ivan. Environmental consciousness in modern literature: Four representative examples. (Chapt. 11) Pages from *What is Deep Ecology*.
- 4694 Drew, W. Killing wilderness. (Chapter 12) Pages from *What is Deep Ecology*.
- 4695 Bellah, R. N., R. Madsen, W. M. Sullivan, A. Swidler, S. M. Tipton. 1991. Democracy means paying attention. (Conclusion). Pages 254-286 in *The Good Society*. Knopf, New York, NY.
- 4696 Davidson, F. A. and S. J. Hutchinson. 1938. The geographic distribution and environmental limitations of the Pacific Salmon (Genus *Oncorhynchus*). Bulletin No. 26, Bureau of Fisheries, Washington, D. C.
- 4697 Report of Lieutenant Neil M. Howison on Oregon, 1846. A Reprint in *The Quarterly of the Oregon Historical Society*, March 1913. 14:1-60.
- 4698 Shuman, Bear depredations on red salmon spawning populations in the Karluk River system, 1947. *The Journal of Wildlife Management*, 14(1): 1-9.
- 4699 Kline, T. C., Jr., J. J. Goering, O. A. Mathisen, P. H. Poe and P. L. Parker.

1990. Recycling of elements transported upstream by runs of Pacific salmon: ... Evidence in Saskin Creek, Southeastern Alaska. *Canadian Journal of Fisheries and Aquatic Science*. 47: 136-144.
- 4700 Richey, J. E., M. A. Perkins, and C. R. Goldman. 1975. Effects of kokanee salmon (*Oncorhynchus nerka*) decomposition of the ecology of a subalpine stream. *Journal of Fisheries Research Board of Canada*. 32: 817-820.
- 4701 Welch, D. W. and T. R. Parson. 1993. ...values as indicators of trophic position and competitive overlap of Pacific salmon (*Oncorhynchus* spp.). *Fisheries Oceanography* 2(1): 11-23.
- 4702 Busby, P., O. W. Johnson, T. C. Wainwright, F. W. Waknitz, and R. S. Waples. 1993. Status review for Oregon's Illinois River Winter Steelhead. NOAA Technical Memorandum NMFS-NWFSC-10, Seattle, WA.
- 4703 Oregon Department of Fish and Wildlife. 1991. Lower Columbia River coho salmon: Evaluation of stock status, causes of decline, and critical habitat - Part 2. (prepared for NMFS) Portland, OR. (includes cover memo from Doug DeHart.
- 4704 Dahl. Knut. 1909. The problem of sea fish hatching. International Council for Study of the Sea Reports. *Rapports et Proces-verbaux* Vol. X. Andr. Fred. Host & Fils. Copenhagen.
- 4705 Brannon, E. L. and E. O. Salo. (eds.) 1982. Proceedings of the salmon and trout migratory behavior Symposium. School of Fisheries, University of Washington, Seattle, WA.
- 4706 Spence, B. C., G. A. Lomnicky, R. M. Hughes, and R. P. Novitzki. 1996. An ecosystem approach to salmonid conservation. Management Technology TR-4501-96-6057.
- 4707 Rich, W. H. 1926. General review—the International Pacific Salmon Investigation Federation. *Progress in Biological Inquiries* 633-637. AND Gilbert, C. H. Salmon. 637-645 AND Holmes, H. B. Columbia River Salmon. 645-650.
- 4708 Bell, Milo C. 1954. Salmon fisheries versus power development. *World Fisheries*, November issue, pages 392-422. Keywords Fraser River, Hells Gate, Rock Island, Bonneville Dam.
- 4709 Salvaging the salmon runs obstructed by the Grand Coulee Dam. *The Progressive Fish Culturist*. Memorandum I-131 No. 47. Nov.-Dec. 1939 pages 25-47.

- 4710 Kahn, R. A. and G. A. Rounsefell. 1947. Evaluation of fisheries in determining benefits and losses from engineering projects. Special Scientific Report No. 40.
- 4711 Netboy, A. 1955. Man and the Columbia's salmon. Nature Magazine, January 1955, 34-38.
- 4712 Progressive Fish Culturist. 1941. Table comparing incubators at hatchery. Also includes a list of species salvaged from Gand Coulee Dam and their distribution to other streams.
- 4713 Pacific Marine Fisheries Commission. 1948. History and development of the Commission.
- 4714 O'Malley, H. 1929. Report of the United States Commissioner of Fisheries for the Fiscal Year 1928 with appendixes. Part I page IV.
- 4715 Shield, Barbara 1998. Data from McKay Creek. Oregon State University personal communication.
- 4716 Tear, T. H., J. M. Scott, P. H. Hayward, and B. Griffith. 1993. Status and prospects for success of the Endangered Species Act: A look at recovery plans. Science 262(12): 976-977.
- 4717 Kramer, Chin & Mayo, Inc. 1976. Washington Salmon Study. Prepared The Washington Department of Fisheries. Seattle, WA
- 4718 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., Technical Memorandum NMFS-NWFSC-2, National Marine Fisheries Service, Seattle, WA.
- 4719 Winn, D. 1919. Report to Commissioner of Fisheries, Washington, DC. Dated December 8, 1919. (Dennis Winn letter to Commissioner of Fisheries, Wash. DC. (4,500,000 loss of salmon in their first and second years. Run of fish reaching Yakima and above are gradually becoming less each year.)
- 4720 Potter, M. S. 1992. Governor's coastal salmonid restoration initiative, December 15-17, 1992. Summary Report. Oregon Department of Fish and Wildlife, Portland, OR.
- 4721 Rogers, D. E. and R. Hilborn. 1988. Impact of redd loss at Vernita Bar on Hanford Reach chinook salmon production. BPA report. Portland, OR.

- 4722 Williams, R. N., D. K. Shiozawa, J. E. Carter, and R. F. Leary. 1996. Genetic detection of putative hybridization between native and introduced rainbow trout populations of the upper Snake River. *Transactions of the American Fisheries* 125: 387-401.
- 4723 Independent Scientific Group. 1996. Summary of statistical reviews of the NMFS/UW survival studies. Portland, OR.
- 4724 Resources for the Future. 1994. Information system development for a cost-effective monitoring program. Prepared for Division of Fish and Wildlife, Bonneville Power Administration, Portland, OR.
- 4725a Deleray, M., W. Fredenbert, and B. Hansen. 1994. 1994 Kokanee stocking and monitoring plan for Flathead Lake. Draft Report, May 1994. And
4725b 1994 Kokanee stocking and monitoring plan for Flathead Lake—1993 and 1994. Draft April 1995.
- 4726 Witty, K., C. Willis, and S. Cramer. 1995. A review of potential impacts of hatchery fish on naturally produced salmonids in the migration corridor of the Snake and Columbia Rivers. S. P. Cramer & Associates, Gresham, OR.
- 4727 Stanford, J. A. 1994. Instream flows to assist the recovery of endangered fishes of the upper Colorado River Basin. Biological Report 24, U. S. D. I., National Biological Survey, Washington, DC.
- 4728 McNeil, W. J. 1995. Water velocity and migration of juvenile salmon: Is faster necessarily better? *Hydro Review*, April 44-52.
- 4729 Petersen, J. H. and D. L. DeAngelis. 1992. Functional response and capture timing in an individual based model: predation by northern squawfish (*Ptychocheilus oregonensis*) on juvenile salmonids in the Columbia River. 49(12): 2551-2565.
- 4730 McCullough, D. A. 1991. A response to the SRG and MEG concerning the use of fish habitat classification in fishery science. Manuscript, Columbia River Inter Tribe Fisheries Commission.
- 4731 Beamesderfer, R. and D. Ward. 1993. An updated biological assessment of the Columbia River squawfish management program. Oregon Department of Fish and Wildlife, Clackamas, OR.
- 4732 TECH Workgroup. State and Tribal Fishery Agencies. 1992. Transportation Review: Transport survival implications of TECH

analytical assessment for spring and summer chinook.

- 4733 Hilborn, R., R. Donnelly, M. Pascual, and C. Coronado-Hernandez. 1993. Draft not for citation. The relationship between river flow and survival for Columbia River chinook salmon. School of Fisheries, University of Washington, Seattle, WA.
- 4734 Schiewe, M. H. 1995. Proposal. A study to compare the adult returns of inriver migrating versus barged spring/summer chinook salmon smolts.
- 4735 Ad Hoc Transportation Review Group. 1992. Review of salmon and steelhead transportation studies in the Columbia and Snake Rivers, 1984-1989. Columbia Basin Fish and Wildlife Authority, Portland, OR.
- 4736 National Marine Fisheries Service. 1995. Second working group meeting panel on gas bubble disease. NMFS, Seattle, WA.
- 4737 Finney, B. P. 1998 (in press) Long-term variability of Alaskan sockeye salmon abundance determined by analysis of sediment cores. NPAFC Bulletin #1.
- 4738 A proposal for a scientifically-based, geomorphic water type classification and riparian buffer width determination on state and private forest lands in Washington.
- 4739 Petrosky, C. E., H. A. Schaller, and R. C. P. Beamesderfer. 1995. Spawner-recruit relationships for spring and summer chinook salmon populations in several Columbia and Snake River subbasins. Draft 10/11/95.
- 4740 Williams, J. G. and G. M. Matthews. In press. A review of flow/survival relationships for spring/summer chinook salmon from the Snake River Basin. National Marine Fisheries Service, Seattle, WA.
- 4741 Northwest Power Planning Council. 1997. An integrated framework for fish and wildlife management in the Columbia River Basin. NPPC Publication No. 97-2.
- 4742 Read, L. B. 1997. A Bayesian decision theory approach to harvest management of salmon and steelhead. Washington Trout, Duvall, WA.
- 4743 Kinnison, M. T., M. J. Unwin, W. K. Hershberger, and T. P. Quinn. Draft. Egg size, fecundity and development rate of two New Zealand chinook salmon (*Oncorhynchus tshawytscha*) populations, with a comparison to their ancestral Sacramento River population. Canadian Journal of Fisheries

and Aquatic Sciences.

- 4744 Kinnison, M., M. Unwin, N. Boustead, and T. P. Quinn. 1998 (in press). Population-specific variation in body dimensions of adult chinook salmon from New Zealand and their source population, 90 years after introduction. *Canadian Journal of Fisheries and Aquatic Sciences*.
- 4748 Rapport, D. J. and J. E. Turner. 1977. Economic models in ecology: The economics of resource allocation provide a framework for viewing ecological processes. *Science* 195(4276): 367-373.
- 4749 Orsi, J. 1994. From horizon to hamburgers and back again: Ecology, ideology, and wildfowl management, 1917-1935. *Environmental History Review*, Winter issue, 19-39.
- 4750 Smith, C. L. and A. Voinov. 1996. Resource management: Can it sustain Pacific Northwest fishery and forest systems? *Ecosystem Health* 2(2): 145-158.
- 4751 Gill, J. Rivers and streams of Oregon. Pages 4-20 Descriptions of Nehalem, lower Columbia streams, Tillamook, Trask, and Wilson Rivers, southern Tillamook rivers, along the Columbia's south shore, Hood River, Sandy River, Clackamas River, Santiam River. *The Oregon Sportsman*.
- 4752 Worster, D. 1994. Nature and disorder of history. *Environmental History Review*, Summer 1-15.
- 4753 Lawson, P. W. and D. B. Sampson. 1995 (draft). Gear related mortality in selective fisheries for ocean salmon. Manuscript. Oregon Department of Fish and Wildlife, Newport, Or.
- 4754 Grier, N., E. Clough and A. Clewell. 1994. Toxic water: A report on the adverse effects of pesticides on Pacific coho salmon and the prevalence of pesticides in coho habitat. Northwest Coalition for Alternative to Pesticides, Eugene, OR.
- 4755 Regier, H. A. 1978. A balanced science of renewable resources with particular reference to fisheries. Washington Sea Grant Publication, University of Washington Press, Seattle, WA.
- 4756 Larkin, P. 1988. The future of fisheries management: Managing the fisherman. *Fisheries* 13(1): 3-9.
- 4757 Wisconsin Sea Grant. 1981. Toward future fisheries management: Some new concepts for the 1980s. *Proceedings of a Great Lakes Fisheries*

- Meeting, Jan 14-16, 1981. Magnuson, Poff, regier, Crowder, and Edwards.
- 4758 Partridge, E. 1984. On the rights of future generations. 1-29.
- 4759 Partridge, E. Why care about the future? 203-220.
- 4760 Partridge, Nature as a moral resource. 101-130.
- 4761 Partridge, E. Are we ready for an ecologicalmorality? 175-190.
- 4762 Smith, N. S. 1988. Predictable results and peer review. *Wildlife Society Bulletin* 16: 225-226.
- 4763 Holden, A. 1980 draft. Estimation of social effects: Social science in the planning process.
- 4764 U. S. Forest Service. 1977. Social impact assessment: An overview. USDA, Washington, DC.
- 4765 Rosenberg, J. Salmon: A theolog of redemption. *Entree* November 1985.
- 4766 Waldie, S. A day at the fly shop. 52-55.
- 4767 OSU News. 1992. New report documents high species numbers in forest. General Technical Report PNW-GTR-290. Portland, OR. Title is Invertebrates of the H. J. Andrews Experimental Forest, Western Oregon, V: An annotated list of insects and other arthropods.
- 4768 Chapman, D. 1992. Advocacy and AFT. Idaho Chapter of AFS meeting. Speech about the year 2005 and AFS role not to be an advocate, but let science speak.
- 4769 Dunlap, R. E. 1991. Trends in public opinion toward environmental issues: 1965-1990. *Society and Natural Resources*. 4(3): 285-312.
- 4770 Dunlap, R. E. and R. Scarce. 1991. The polls—Poll trends: Environmental problems and protection. *Public Opinion Quarterly*. 55(4): 651-672.
- 4771 Kellert, S. R. 1980. Americans' attitudes and knowledge of animals. Forty-fifth North American Wildlife Conference 111-124.
- 4772 Kellert, S. R. 1979. Contemporary values of wildlife in American society. In *Methods of Assessing and Categorizing Values of Wildlife*. U. S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Fort Collins, CO.

- 4773 Smith, C. L. ... Conservation and Allocation Decisions in Fishery Management. In Salmon Production, Management and Allocation. Pages 131-138.
- 4774 Chapman, D. W. Can Natural Resource Biologists Communicate with each other? Or Baby I can't hear you when the water's running. Manuscript.
- 4775 Petulla, J. M. Historic values affecting wildlife in American society. Manuscript, Office of Continuing Education, University of San Francisco, San Francisco, CA.
- 4776 Quabbin. From an essay by Nicholas Bromell. "Quabbin itself is composed of ghosts that cannot be dispelled. Printed in Harpers Magazine, October.
- 4777 Steinhart, P. 1990. Who fired Harold Cribbs? Audubon, 1990. 114-119. Article about California Fish and Game Commission and lack of expertise in management of programs and declining resources.
- 4778 Pister, E. P. 1985. Desert pupfishes: Reflections on reality, desirability, and conscience. Fisheries 10(6): 10-15.
- 4779 Wiley, R. W. 1987. Dilemma. Fisheries 12(6) 30-32.
- 4790 Sewell, W. R. D. 1973. Broadening the approach to evaluation in resources management decision-making. Journal of Environmental Management 1 33-60.
- 4791 Bardecki, M. J. 1984. What value wetlands? Effective wetlands conservation efforts require careful reasoning and strong incentives to landowners. Journal of Soil and Water Conservation 39(31): 166-169.
- 4792 Warren, C. E. Resources, Culture, and Capitalism.
- 4793 Nawa, R. K. 1987. The value of wild steelhead. Prepared for the North Umpqua Foundation.
- 4794 Berry, W. 1989. The futility of global thinking. Harper's Magazine, September, 16-22.
- 4795 Pinkerton, E. Watershed planning and volunteerism: Contributions to fish habitat protection. Draft manuscript, Presented to AFS, University of British Columbia, Vancouver, BC.
- 4796 Benjamin, M. 1976. Can moral responsibility be collective and

- nondistributive? *Social Theory and Practice* 4(1): 93-105.
- 4797 Sagoff, M. 1990?? On making nature safe for biotechnology. In *Assessing Risks of Biotechnology*. Pages 341- 365.
- 4798 Wilson, E. O. 1984. *The conservation ethic*. Biophilia, Harvard University Press.120-140.
- 4799 Leopold, A. 1933. The conservation ethic. *Journal of Forestry*, October, 31(6): 634-643.
- 4800 Schlesinger, W. H. 1989. The role of ecologists in the face of global change. Special Feature—Forest Decline. February.
- 4801 Bliss, L. C. 1984. Address of the past president. Ecologists need to increase their involvement in society. 439-444.
- 4802 Reimold, R. J., M. A. Hardisky and J. H. Phillips. 1980. Wetland Values—A non-consumptive perspective. *Journal of Environmental Management* 11: 77-85.
- 4803 Partridge, E. Three wrong leads in a search for an environmental ethic: Tom Regan on animal rights, inherent values, and “deep ecology.” University of Colorado.
- 4804 Montana Bull Trout Restoration Group. 1994. Flathead River drainage bull trout restoration plan. Draft manuscript.
- 4805 Hungry Horse Implementation Group. 1994. Hungry Horse Dam Fisheries Mitigation Biennial Report 1992-1993. Montana Department of Fish, Wildlife and Parks, et al.
- 4806 . Montana Department of Fish, Wildlife and Parks. 1995. Hungry Horse Dam fisheries mitigation implementation plan for fiscal year 1995. Kalispell, MT.
- 4807 Confederated Salish and Kootenai Tribes, 1995. Monitoring activities for the Hungry Horse fisheries mitigation implementation plan, Flathead Lake., Pablo, MT.
- 4808 Scientific Review Group. 1993. Annual Report. SRG, Portland, OR.
- 4809 Reisenbichler, R. 1995. Questions and partial answers about supplementation—Genetic differences between hatchery fish and wild fish. Presented at Columbia River Anadromous Salmonid Rehabilitation

Symposium, Richland, WA.

- 4810 Fraley, J., B. Marotz, J. Decker-Hess, W. Beattie and R. Zubik. 1989. Mitigation, compensation, and future protection for fish populations affected by hydropower development in the upper Columbia System, Montana, USA. *Regulated Rivers: Research and Management* 3: 3-18.
- 4811 Spencer, C. N., B. R. McClelland and J. A. Stanford. 1991. Shrimp stocking, salmon collapse, and egale displacement: Cascading interactions in the food web of a large aquatic ecosystem. *BioScience* 41(1): 14-21.
- 4812 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.
- 4813 Weaver, T. M., and J. J. Fraley. 1993. A method to measure emergence success of westslope cutthroat trout fry from varying substrate compositions in a natural stream channel. *North American Journal of Fisheries Management* 13: 817-822.
- 4814 Scientific Review Group. 1992. Critical uncertainties in the fish and wildlife program. Portland, OR.
- 4815 Scientific Review Group. 1993. Critical Uncertainties in the Fish and Wildlife Program. SRG Report No. 93-3. Portland, OR.
- 4816 Ludwig, D., R. Hilborn, and C. Walters. 1993. Uncertainty, resource exploitation, and conservation: Lessons from history. *Science* 260: 17-18.
- 4817 Brown, S. and A. E. Lugo. 1981. Management and status of U. S. commercial marine fisheries. Council on Environmental Quality.
- 4894 Rowe, J. S. 1992. Regionalization of earth space and its ethical implications. Presented at Landscape Ecology Symposiu, Corvallis, OR.
- 4895
- 4819 Independent Scientific Advisory Board. 1997. Report of Independent Scientific Advisory Board regarding a proposal for inclusion in the 1997 smolt monitoring program. ISG, Portland, OR.
- 4820 Mundy, P. and N. M. Mundy. 1996. Reinventing salmon management: Changing the burden and nature of proof in salmon conservation programs to support a new management paradigm. Presented at Reinventing Fisheries Management Symposium, Vancouver, BC.
- 4821 Stanford, J. A. and G. C. Poole. A protocol for ecosystem management.

Flathead Lake Biological Station, Polson, MT.

- 4822 Mundy, P. R. Pacific salmon and their ecosystems: Status and future options: The role of harvest management in determining the status and future of Pacific salmon populations. Manuscript.
- 4823 Mundy, P. R. 1996. Comprehensive management approach for juvenile salmon within the federal Columbia River power system. The transportation rule curve.
- 4824 Eberle, W. D. and F. G. Hayden. 1991. Critique of contingent valuation and travel cost methods for valuing natural resources and ecosystems. *Journal of Economic Issues* 25(3): 649-687.
- 4825 U. S. Fish and Wildlife Service. 1995. Fish and Wildlife Coordination Act report on the Columbia River system operation review. Portland, OR.
- 4826 Bonneville Power Administration. 1994. Integrated hatchery operations team: Policies and procedures for Columbia Basin anadromous salmonid hatcheries. Executive Summary.
- 4827a Hymer, Joe. 1997. Results of studies on chinook spawning in the mainstem Columbia River below Bonneville Dam. Washington Department of Fish and Wildlife, Columbia River Progress Report 07-9. Battle Ground, WA. April 1997.
- 4827b WDFW/ODFW. 1998. Naturally produced bright stock origin fall chinook spawning in the mainstem Columbia River Downstream from Bonneville Dam. Joint Staff report.
- 4828 Fresh, K. L., and G. Lucchetti. 1998. Protecting and restoring the habitats of anadromous salmonids in the Lake Washington watershed, an urbanizing ecosystem. In *Sustainable Fisheries Workshop*.
- 4829 Fuss, Howard, J. 1998. Hatcheries are a tool: They are as good or as bad as the management goals that guide them. (Author's affiliation, Hatcheries Program, WDFW, Olympia, WA) Pages 19-28 in: *Proceedings of Columbia River Anadromous Rehabilitation and Passage Symposium*. E. Brannon and W. Kensil (ed), Aquaculture Research Institute, University of Idaho, Moscow, ID and Mechanical Engineering, Washington State University, Richland, WA.
- 4830 Merkel, J. C., D. L. Alverson, and J. D. Hough. 1978. Settlement Plan for Washington State Salmon and Steelhead Fisheries. Prepared by the Regional Team of the Federal Task Force on Washington State Fisheries.

Olympia, WA. (Tribal settlement)

- 4831 den Boer, P. J. 1990. The survival value of dispersal in terrestrial arthropods. *Biological Conservation* 54: 175-192.
- 4832 McNaughton, S. J. 1977. Diversity and stability of ecological communities: A comment on the role of empiricism in ecology. *The American Naturalist* 111(979): 515-525.
- 4833 Rounsefell, G. A. and G. B. Kelez. 1938. The salmon and salmon fisheries of Swiftsure Bank, Puget Sound, and the Fraser River. Bulletin No. 27, U. S. Dept. of Commerce, Bureau of Fisheries, Washington, DC.
- 4834 Wood, M. C. 1998. Reclaiming the natural rivers: The Endangered species Act as applied to Endangered Rivers Ecosystems. *Arizona Law Review* 1(1).
- 4835 Wood, M. C. 1998. . Reclaiming the natural rivers: The Endangered species Act as applied to Endangered Rivers Ecosystems. *Arizona Law Review* 40 197-286 (abstract and summary).
- 4836 Gilden, J. and C. Smith. 1996. Survey of Gillnetters in Oregon and Washington: Summary of Results. Oregon State University Sea Grant ORESU-T-96-001, Corvallis, OR.
-
- 4837 Van Zile, R. D. 1992. Salmon Wars. *Puget Sound Magazine*. Summer/Fall, 8-13. (Lauren Donaldson taught....)
- 4838 Ben-David, M. 1997. Timing of reproduction in wild mink: the influence of spawning Pacific salmon. *Canadian Journal of Zoology* 75: 376-382.
- 3939 Hilderbrand, G. V., S. D. Farley, C. T. Robbins, T. A. Hanley, K. Titus and C. Servheen. 1996. Use of stable isotopes to determine diets of living and extinct bears. *Canadian Journal of Zoology* 74: 2080-88.
- 4840 Anderson, J. J. 1997. Decadal scale climate pattern and salmon survival: Indicators, interactions and implications. In *Columbia Basin Research*. (internet download).
- 4841 Meffe, G. K., P. D. boersma, D. D. Murphy, B. R. Noon, H. R. Pulliam, M. E. Soule and D. M. Waller. 1998. Independent Scientific Review in Natural Resource Management. *Conservation Biology* 12(2): 268-270.
- 4842 Power, M. E., S. J. Kupferberg, G. W. Minshall, M. C. Molles and M. S. Parker. 1997. Sustaining wester aquatic food webs. *Western Water policy*

Review, Presidential Advisory Commission. Fifth Meeting-Aquatic Ecology Symposium, Arizona State University, pages 45-61.

- 4843 Thurston, P. Working Bibliography. 9/8/98
- 4844 Kavanagh, K. 1998. Memo on metapopulation.
- 4845 Rosen, K. 1984. Effect of clear-felling on runoff in two small watersheds in central Sweden. *Forest Ecology and Management*, 9: 267-281 (Elsevier Sci. Publishers, B. V.)
- 4846 Benda, L. E., D. J. Miller, T. Dunne, G. H. Reeves, and J. K. Agee. 1998. Dynamic landscape systems. Pages 261-288 in R. J. Naiman and R. E. Bilby (eds.), *River Ecology and Management: Lessons from the Pacific Coastal Ecoregion*. Springer, New York, NY.
- 4847 Prichard, D., and eight others. 1998. Riparian area management: A users guide to assessing proper functioning condition and the supporting science for lotic areas. USDI, Bureau of Land Management, Technical Reference 1737-15, Denver, CO.
- 4848 Bilby, R. E., and J. E. Ward. 1989. Changes in characteristics and function of woody debris with increasing size of streams in western Washington. *Transactions of American Fisheries Society* 118: 368-378.
- 4849 Fetherson, K. L., R. J. Naiman, and R. E. Bilby. 1995. Large woody debris, physical process, and riparian forest development in montane river networks of the Pacific Northwest. Pages 133-144 in C. R. Hupp, W. R. Osterkamp, and A. D. Howard (eds.) *Biogeomorphology, Terrestrial and Freshwater Systems*. Elsevier, New York, NY.
- 4850 Gregory, S. V., F. J. Swanson, W. A. McKee, and K. W. Cummins. 1991. An ecosystem perspective of riparian zones: Focus on links between land and water. *BioScience* 41(8): 540-551.
- 4851 Moore, K. M. S. 1997. Habitat Benchmarks. Oregon Department of Fish and Wildlife, Oregon State University, Corvallis, OR.
- 4852 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. *Canadian Journal of Fisheries and Aquatic Sciences* 51: 37-51.
- 4853 Swanson, F. J., G. W. Lienkaemper, and J. R. Sedell. 1976. History, physical effects, and management implications of large organic debris in

- western Oregon streams. WSDA Forest Service General Technical Report PNW-56, Portland, OR.
- 4854 Oregon, The State. 1998. The Oregon Plan for salmon and watersheds. Annual Report, Salem, OR.
- 4855 Van Sickle, J., and S. V. Gregory. 1990. Modeling inputs of large woody debris to streams from falling trees. *Canadian Journal of Forest Research* 20: 1593-1601.
- 4856 Shutler, R. 1983. Early Man in the New World. Saga Publications, Beverly Hills, CA. Also includes Fladmark. Times and Places: Environmental Correlates of Mid-to-Late Wisconsinan Human Population Expansion in North America. p. 13-41.
- 4857 Resource Development Branch of Department of Fisheries, Vancouver. 1971. Hatcheries in British Columbia: Part 1. Western Fisheries, April, 12-41.
- 4858 Resource Development Branch of Department of Fisheries, Vancouver. 1971. Hatcheries in British Columbia: Part 2. Western Fisheries, May, 72-78.
- 4859 Hilborn, R., and J. Winton. 1993. Learning to enhance salmon production: Lessons from the salmonid enhancement program. *Canadian Journal of Fisheries and Aquatic Sciences* 50: 2043-2056.
- 4860 Pearse, P. 1994. An assessment of the salmon stock development program on Canada's Pacific coast. Department of Fisheries and Oceans, Canada.
- 4861 Larkin, P. A. 1974. Play it again Sam—an essay on salmon enhancement. *Journal Fisheries Research Board of Canada* 31: 1433-1459.
- 4862 Waples, R. S. 1998. Evolutionarily significant units, distinct population segments, and the Endangered Species Act: Reply to Pennock and Dimmick. *Conservation Biology* 12(3): 718-721.
- 4863a U. S. Fish and Wildlife Service. 1998. Lower Snake River compensation plan status review symposium. Boise, Idaho.
- 4863b Crateau, E. J. 1998. Annual report fiscal year 1998, Lower Snake River Compensation Plan Office, Boise, ID.
- 4864 Mundy, P. R. 1998. Principles and criteria for sustainable salmon management. Prepared for Alaska Department of Fish and Game.

- 4865 Hindar, K. 1994. Alternative life histories and genetic conservation. In Loeschke's Book
- 4866 Altukhov, Y. P. 1994. The principles of population monitoring for conservation genetics. In Loeschke's Book ??
- 4867 Currens, K. P., C. B. Schreck, and H. W. Li. 1990. Allozyme and morphological divergence of rainbow trout (*Oncorhynchus mykiss*) above and below waterfalls in the Deschutes River, Oregon. *COPEIA* 3: 730-746.
- 4868 Phelps, S. R., S. Cierebiej, B. Baker, and K. Kostow. 1996. Genetic relationships and estimation of hatchery introgression in 28 collections of readband trout from the upper Deschutes River, Crooked River, Malheur lake Basin and Goose Lake Basin, Oregon. Draft report Oregon Department of Fish and Wildlife, Portland, OR.
- 4869 Ward, N. E., III. 1995. Genetic comparison of Round Butte Hatchery steelhead year-classes. Oregon Cooperative Fishery Research Unit Preliminary Report 95(6), Oregon State University, Corvallis, OR.
- 4870 Currens, K. P. 1994. Genetic variation in Crooked River rainbow trout. Oregon Cooperative Fishery Research Unit Report 94(2a), Oregon State University, Corvallis, OR
- 4871 Ward, N. E., III and C. B. Schreck. Genetic differences among steelhead *Oncorhynchus mykiss* year-classes from Round Butte Hatchery, Oregon. Oregon Cooperative Fishery Research Unit, Oregon State University, Corvallis, OR.
- 4872 Spruell, P. and F. W. Allendorf. 1997. Nuclear DNA analysis of Oregon bull trout. Wild Trout and Salmon Genetics Laboratory Report 97/5, Oregon State University, Corvallis, OR.
- 4873 Berejikin, B. A., E. P. Tezak, S. L. Schroder, C. M. Knudsen, and J. J. Hard. 1997. Reproductive behavioral interactions between wild and captively reared coho salmon (*Oncorhynchus kisutch*). *ICES* 54: 1040-1050.
- 4874 Mangel, M. Metapopulation ecology and the risk of extinction of West Coast salmonid populations. Department of Environmental Studies, University of California, Santa Cruz, CA.
- 4875 Olivieri, I., D. Couvet and P-H. Gouyon. 1990. The genetics of transient populations: Research at the metapopulation level. *TREE* 5(7): 207-210.

- 4876 Ward, J. V., and J. A. Stanford. 1995. Ecological connectivity in alluvial river ecosystems and its disruption by flow regulation. *Regulated Rivers: Research and Management* 11: 105-119.
- 4877 Stacey, P. B. and M. Taper. 1992. Environmental variation and the persistence of small populations. *Ecological Applications* 2(1): 18-29.
- 4878 Frankham, R. 1995. Conservation genetics. *Annual Review of Genetics*. 29: 305-327.
- 4879 Vrijenhoek, R. C. 1994. Genetic diversity and fitness in small populations. Pages 37-53 in V. Loeschcke, J. Tomiuk, and S. K. Jain (eds.), *Conservation Genetics*, Birkhauser Verlag, Boston.
- 4880 Loeschcke, V., J. Tomiuk, and S. K. Jain. 1994. Introductory remarks: Genetics and conservation biology. Pages 3-8 in V. Loeschcke, J. Tomiuk, and S. K. Jain (eds.), *Conservation Genetics*, Birkhauser Verlag, Boston.
- 4881 Stanford, J. A., J. V. Ward, and B. K. Ellis. Ecology of the alluvial aquifers of the Flathead River, Montana. Pages 367-390 in...
- 4882 Ward, J. V., and J. A. Stanford. 1995. The serial discontinuity concept: Extending the model to floodplain rivers. *Regulated Rivers: Research and Management* 10: 159-168.
- 4883 Stanford, J. A. and J. V. Ward. 1993. An ecosystem perspective of alluvial rivers: Connectivity and the hyporheic corridor. *J. N. Am. Benthol. Soc.* 12(1): 48-60.
- 4884 Bergan, P. I., D. Gausen, and L. P. Hansen. 1991. Attempts to reduce the impact of reared Atlantic salmon on wild in Norway. *Aquaculture* 98: 319-324.
- 4885 Lura, H., and H. Saegrov. 1991. Documentation of successful spawning of escaped farmed female Atlantic salmon, *Salmo salar*, in Norwegian rivers. *Aquaculture* 98: 151-159.
- 4886 Lund, R. A., F. Okland and L. P. Hansen. 1991. Farmed Atlantic salmon (*Salmo salar*) in fisheries and rivers in Norway. *Aquaculture* 98: 143-150.
- 4887 Utter, F. M., R. S. Waples, and D. J. Teel. 1992. Genetic isolation of previously indistinguishable chinook salmon populations of the Snake and Klamath Rivers: Limitations of negative data. *U. S. Fishery Bulletin*, 90: 770-777.

- 4888 Gjedrem, T., H. M. Gjoen, and B. Gjerde. 1991. Genetic origin of Norwegian farmed Atlantic salmon. *Aquaculture* 98: 41-50.
- 4889 Tilseth, S., T. Hansen, and D. Moller. 1991. Historical development of salmon culture. *Aquaculture* 98: 1-9.
- 4890 Evans, D. O., and C. C. Willox. 1991. Loss of exploited, indigenous populations of lake trout, *Salvelinus Namaycush*, by stocking of non-native stocks. *Canadian Journal of Fisheries and Aquatic Sciences* 48(Suppl. 1): 134-147.
- 4891 Garcia-Marin, J. L., P. E. Jorde, N. Ryman, F. Utter, and C. Pla. 1991. Management implications of genetic differentiation between native and hatchery populations of brown trout (*Salmo trutta*) in Spain.
- 4892 Bentsen, H. B., 1991. Quantitative genetics and management of wild populations. *Aquaculture* 98: 263-266.
- 4893 Hindar, Kjetil, N. Ryman and F. Utter. 1991. Genetic effects of aquaculture on natural fish populations. *Aquaculture* 98: 259-261.
- 4894 Gudjonsson, S. 1991. Occurrence of reared salmon in natural salmon rivers in Iceland. *Aquaculture* 98: 133-142.
- 4895 McNeil, W. J. 1991. Expansion of cultured Pacific salmon into marine ecosystems. *Aquaculture* 98: 173-183.
- 4896 Ferguson, M. M., P. E. Ihssen, and J. D. Hynes. 1991. Are cultured stocks of brown trout (*Salmo trutta*) and rainbow trout (*Oncorhynchus mykiss*) genetically similar to their source populations? *Canadian Journal of Fisheries and Aquatic Sciences* 48(Suppl. 1): 118-123.
- 4897 Eriksson, T., and L.-O Eriksson. 1993. The status of wild and hatchery propagated Swedish salmon stocks after 40 years of hatchery releases in the Baltic rivers. *Fisheries Research* 18: 147-159.
- 4898 Heggberget, T. G., B. O. Johnsen, K. Hindar, B. Jonsson, L. P. Hansen, N. A. Hvidsten, A. J. Jensen. 1993. Interactions between wild and cultured Atlantic salmon: A review of the Norwegian experience. *Fisheries Research* 18: 123-146.
- 4899 Utter, F. M. 1991. Biochemical genetics and fishery management: An historical perspective. *Journal of Fish Biology* 39: 1-20.

- 4900 Wright, S. 1982. The shifting balance theory and macroevolution. *Ann. Rev. Genet.* 16: 1-19.
- 4901 Unpublished records of chinook harvest. Oregon Department of Fisheries and Wildlife. (Bob Mullen's 1980)
- 4902 Bates, D., K. Willis, F. Swanson, J. Reed Glasmann, D. Halemeier and H. Wujcik. 1998. North Santiam River Turbidity Study, 1996-1997. Watershed Management Council Networker. Fall.
- 4903 Shannon, M. A., E. E. Meidinger, and R. N. Clark. 1996. Science Advocacy is Inevitable: Deal with It. Paper presented at annual meeting of the Society of American Foresters, Nov. 11. 1996.
- 4904 The Forest Foundation. 1998. Forests and Salmon: Forest-Fisheries Management Relationships in Northern California. August 1998.
- 4905 Oregon Forest Resources Institute. 1998. Saving the Salmon: Oregonians working together to manage environmental change. A Special Report.
- 4906 William, John. Power Point presentation of information on survivals of juvenile chinook and steelhead in the hydroelectric system.
- 4907 Daily, K. T. Shrader, R. Temple, and B. Hooton. 1999. Introduced Fishes Management Strategies. Public review draft 4/14/99, Oregon Department of Fish and Wildlife, Portland, OR.
- 4908 McVicar, A. H. 1997. Disease and parasite implications of the coexistence of wild and cultured Atlantic salmon populations. *ICES Journal of Marine Science* 54: 1093-1103.
- 4909 Jonsson, B. 1997. A review of ecological and behavioural interactions between cultured and wild Atlantic salmon. . *ICES Journal of Marine Science* 54: 1031-1039.
- 4910 Olla, B. L., M. W. Davis, and C. H. Ryer. 1994. Behavioural deficits in hatchery-reared fish: Potential effects on survival following release. *Aquaculture and Fisheries Management Supplement* 1, 19-34.
- 4911 Olla, B. L. and M. W. Davis. 1989. The role of learning and stress in predator avoidance of hatchery-reared coho salmon (*Oncorhynchus kisutch*) Juveniles. *Aquaculture* 76: 209-214.
- 4912 Jonsson, B., N. Jonsson and L. P. Hansen. 1991. Differences in life history and migratory behaviour between wild and hatchery-reared Atlantic salmon

- in nature. *Aquaculture* 98: 69-78.
- 4913 Chinook Workshop Papers. Pacific Salmon Commission. 1990. (1) Two alternatives to catch ceiling management for chinook salmon fisheries of interest to the Pacific Salmon Commission. (2) Use of season regulations as an alternative to catch ceilings for management of directed chinook salmon fisheries to meet objectives of the Pacific Salmon Commission.
- 4914 Internet files on metapopulations. 1998.
- 4915 Corps of Engineers and Columbia River. 1997. Chronologic list of fisheries events.
- 4916 Caughley, G. 1994. Directions in conservation biology. *Journal of Animal Ecology* 63: 215-244.
- 4917 Mathisen, Len. 1985. Deschutes River Fishing in the Good Old Days.”
Historial data from Central Region 1992 also.
- 4918 Harrison, S. 1994. Metapopulations and Conservation. Pages 111- 128 in P. J. Edwards, R. M. May and N. R. Webb (eds), *Large-scale Ecology and Conservation*. Oxford, Blackwell Scientific Publication.
- 4919 Goodman, D. 1996. Population viability analysis: The risk assessment paradigm. Biology Dept., Montana State University, Bozeman, MT.
- 4920
- 4920 Gadgil, M. 1971. Dispersal: Population consequences and evolution. *Ecology* 52(2): 253-
- 4921 Weitkamp. L. A. 1994. A review of the effects of dams on the Columbia River estuary environment, with special reference to salmonids. Funded by Bonneville Power Administration and Coastal Zone and Estuarine Studies Division, NOAA, Seattle, WA.
- 4922 Oregon Department of Fish and Wildlife. A guide to selective fisheries and salmon identification
- 4923 Kauffman, J. Boone., R. L. Beschta, N. Otting, and Danna Lytjen. 1997. An ecological perspective of riparian and stream restoration in the western United States. *Fisheries* 22:5 12-24.
- 4924 Beschta, R. L. 1997. Riparian shade and stream temperature: An alternative perspective. *Rangelands* 19(2): 25-28.
- 4925 Wimberly, M. C., T. A. Spies, C. J. Long, and C. Whitlock. 2000.

Simulating historical variability in the amount of old forests in the Oregon Coast Range.

- 4926 Frenkel, R. E., E. F. Heinitz, and S. N. Wickramaratne. 1983. Vegetational changes in the Willamette River Greenway in Benton and Linn Counties: 1972-1981. Oregon Department of Fish and Wildlife.
- 4927 Frenkel, R. E., S. N. Wickramaratne, and E. F. Heinitz. 1984. Vegetation and land cover change in the Willamette River Greenway in Benton and Linn Counties, Oregon: 1972-1981. Yearbook of the Association of Pacific Coast Geographers. 46: 64-77.
- 4928 Bayer, R. D. 2000. Cormorant harassment to protect juvenile salmonids in Tillamook County, Oregon. Studies in Oregon Ornithology No. 9. Gahmken Press, Newport, OR.
- 4929 U. S. Army Corps of Engineers. 1999. Abstracts: Anadromous fish evaluation program 1999 annual research review. Surface bypass collection, adult and lamprey studies, bypass systems evaluations, turbine survival program, in-river passage evaluations, John Day Dam feasibility studies, lower Snake River studies. Portland, OR.
- 4930 Oregon Forest Resources Institute. Toward Sustainable Forestry: A look at Oregon's forests at the millennium.
- 4931 Federal Caucus, Columbia River Fish and Wildlife Recovery. 1999. Conservation of Columbia Basin Fish: Building a conceptual recovery plan. Fall 1999 Issue 2.
- 4932 Ecological rules for describing the Columbia River ecosystem: Draft December 7, 1999.
- 4933 Fish and Wildlife Program Scientific Foundation Draft Dec. 7, 1999.
- 4934 Oregon Department of Fish and Wildlife and National Marine Fisheries Service. 1999. Management implications of co-occurring native and introduced fishes: Proceedings of the Workshop. Oct. 27-28, 1998, Portland, OR 243 pages. Available from NMFS 525 NE Oregon Street, Suite 510, Portland, OR.
- 4935 Coutant, C. C., and R. R. Whitney. 2000. Fish Behavior in relation to passage through hydropower turbines: A review. Transactions of the American Fisheries Society, 129: 351-380.
- 4936 The Springboard. (Newsletter) March 2000. 4d Rule, NMFS, etc.

- 4937 Columbia River Salmon-propagation fund. Thursday, April 12, 1934. Hearings before the Merchant Marine, House of Representative, Seventy Third Congress, S. 2629 and HR 8581. Washington, DC.
- 4938 Needham, P. R., O. R. Smith, and H. A. Hanson. 1941. Salmon salvage problems in relation to Shasta Dam, California and notes on the biology of the Sacramento River salmon. Transactions of the American Fisheries Society, Seventieth Annual Meeting, Washington, DC, 55-69.
- 4939 The Three Sovereigns. Offices of the Governors. 1998. Columbia River governance.
- 4940 Isseks, M. S. 1939. History of state administrative agencies in Oregon 1843-1937. Published as a report under the auspices of the Works Progress Administration. Salem, OR.
- 4941 Advisory Committee on Forestry, State of Oregon. 1936. Oregon's forest problems: A report prepared by the Advisory Committee on Forestry for the Oregon State Planning Board. (Governor Charles H. Martin and the Legislature)
- 4942 Green Mountain Institute. 1998. Toward "A small, but powerful" set of regional salmon habitat indicators for the Pacific Northwest. Montpelier, Vermont.
- 4943 1952. The following are the significant excerpts pertaining to anadromous fish and wildlife resources from "Columbia River and Tributaries, Northwestern United States." See House Document #531 81st Congress, 2nd Session.
- 4944 Ricker, W. E., 1987. Effects of the fishery and of obstacles to migration on the abundance of Fraser River sockeye salmon (*Oncorhynchus nerka*). Canadian Technical Report of Fisheries and Aquatic Sciences No. 1522, Fisheries and Oceans, Canada.
- 4945 U. S. District Court for the District of Oregon. Idaho Department of Fish and Game v. National Marine Fisheries Service, et. al., Malcolm F. Marsh, U. S. District judge. Rev. August 1982.
- 4946 Lowdermilk, W. C., 1975. Conquest of the land Through 7,000 Years. U. S. Dept. of Agriculture, Soil Conservation Service, Agriculture Information Bulletin No. 99. 30 pages.
- 4947 O. W. Morris. Eighteenth Biennial Report of the Fish and Game

- Department of the State of Idaho 1939-1940. (pollution, fish screens, salmon survey, warm water fish.)
- 4948 Holmes, H. B., and F. G. Morton. 1939. The success of the Bonneville fishways during their first year of operation. *The Progressive Fish Culturist*, May-June No. 45, pages 18-23, Washington, DC.
- 4949 Oregon State University Extension Service. 1998. A snapshot of salmon in Oregon. Newspaper type document.
- 4950 Sea Grant. 1999. Science serving the 21st century. OHSU-B-053: 3/99.
- 4951 Washington Department of Fisheries. The salmon crisis. 15 pages.
- 4952 Northwest Power Planning Council. 1997. An integrated framework for fish and wildlife management in the Columbia River Basin. Pub. No. 97-2, Portland, OR.
- 4953 Washington Dept. of Fisheries and Oregon Fish Commission (in cooperation with the U. W. Fish and Wildlife Service). 1947. A program of rehabilitation of the Columbia Rivers fisheries.
- 4954 Benner, Patricia. 1993. Willamette River Landscape History. Oregon State University. (Willamette River Channel Losses).
- 4955 Young, K. A. 1999. Environmental correlates of male life history variation among coho salmon populations from two Oregon coastal basins. *Trans. of the American Fisheries Society*, 128(1): 1-16.
- 4956 Hennessey, Peggy. Oregon Forest Practices Act: Unenforced or Unenforceable? *Environmental Law*, Northwest School of Law of Lewis and Clark College. 17:3 717-738 (Also: P. G. Dodds. Same issue *The Oregon and California Lands: A Peculiar history produces environmental problems.*)
- 4957 Miller, M. C. 1985. Riparian Rights and the control of water in California, 1879-1928: The relationship between an agricultural enterprise and legal chance. *Agricultural History* 59:1 1-24.
- 4958 VanDevelder, Paul. 2000. Breaching the dams: slingshots vs. tanks. *The Seattle Times*.
- 4959 Blackmar, F. W. 1906. The Mastery of the desert. *The North American Review*, Vol CLXXXII 677-688.

- 4960 Winch, M. T. 1985. Tumalo—Thirsty Land part Two and Three. The Transition Period (1906-1912). Oregon Historical Quarterly Vol. LXXXVI:2 Spring. 47... 153...
- 4961 McElheran, D. Water in the Wilderness. Chapter in Chaff in the Wind, Friends of the Maupin Library pages 66-77....
- 4962 Hays, W. J. 1871. Notes on the range of some of the animals in America at the time of the arrival of the white men. The American Naturalist, Volume 5, Peabody Academy of Science, Salem, Mass.
- 4963 Gauley, J. E., R. E. anas and L. C. Schlotterbeck. 1958. Downstream movement of salmonids at Bonneville Dam. Special Scientific Report—Risheries No. 236. U. S. Dept. of Interior, Fish and Wildlife Service, Washington, DC.
- 4964 Jager, H. I., H. E. Cardwell, M. J. Sale, M. S. Bevelhimer, C. C. Coutant and W. Van Winkle. 1997. Modelling the linkages between flow management and salmon recruitment in rivers. Ecological Modelling 1-21.
- 4965 Oliphant, J. O. 1932. The cattle trade from the far Northwest to Montana. Agricultural History 6:1 69-83.
- 4966 Buckhouse, J. C. and W. C. Krueger. 1981. What caused those terracettes? Rangelands 3:2 72-73.
- 4967 Marts, M. E. 1954. Upstream storage problems in Columbia River power development. Annals of the Association of American Geographers. XLIV:1 43-50.
- 4968 Webb, W. P. 1957. The American West: Perpetual Mirage. Harper's Magazine, May, 25-31.
- 4969 Cleaver, F. C. 1954. Investigation and management of the Columbia River spring chinook salmon. The Progressive Fish Culturist. 16:1 93.
- 4970 Jennings, M. R. 1987. Faces from the Past: Frederic Morton Chamberlain (1867-1921) Pioneer Fishery Biologist of the American West. Fisheries 12:6 22-29.
- 4971 Deason, H. J. 1941. A survey of academic qualifications for fishery biologists and of institutional facilities for training fishery biologists. Transactions of the American Fisheries Society Sept. 5-6, 1940, Washington, DC, 128-142.

- 4972 Thompson, W. F. 1939. The scientific investigation of marine fisheries, as related to the work of the fish and game commission in southern California. California Fish and Game Commission, Fish Bulletin No. 2, 3-27.
- 4973 North Pacific Research. 2000. Saving Salmon. Interim Report Rev 4.00
- 4974 Kostow, K. 1999. A framework for evaluating the risks and benefits of hatchery programs and developing program designs. Manuscript pp. 56.
- 4975 ECONorthwest. 1999. Salmon and the economy: A Handbook for understanding the issues in Washington and Oregon. Eugene, Oregon.
- 4976 Black, M. 1999. Shasta salmon salvage efforts: Coleman National Fish Station on Battle Creek, 1895-1992. Battle Creek Technical Advisory Work Group. W. M. Kier Associates, Sausalito, CA.
- 4977 Fredericks, J. P. and D. L. Scarnecchia. 1997. Use of surface visual counts for estimating relative abundance of Age-0 paddlefish in Lake Sakakawea. N. Am. Journal of Fisheries Management 17: 1014-18.
- 4978 Scarnecchia, D. L., P. A. Stewart, and G. J. Power. 1996. Age structure of the Yellowstone-Sakakawea paddlefish stock, 1963-1993, in relation to reservoir history. Trans. of the American Fisheries Society 125: 291-299.
- 4979 Scarnecchia, D. L., P. A. Stewart, and Y. Lim. 1996. Profile of recreational paddlefish snaggers on the lower Yellowstone River, Montana. N. American J. of Fisheries Management 16: 872-879.
- 4980 Scarnecchia, D. L., and P. A. Stewart. 1997. Implementation and evaluation of a catch-and-release fishery for paddlefish. N. Am. J. of Fisheries Management 17: 795-799.
- 4981 Scarnecchia, D. L., L. F. Ryckman, and J. Lee. 1997. Capturing and tagging wild Age-0 paddlefish in a Great Plains Reservoir. N. Am. J. of Fisheries Management 17: 800-802.
- 4982 Scarnecchia, K. L., P. A. Stewart and L. F. Ryckman. Management plan for the paddlefish stocks in the Yellowstone River, upper Missouri River, and Lake Sakakawea. N. D. Game & Fish Dept., Montana Dept. of Fish, Wildlife & Parks, University of Idaho.
- 4983 Chasan, D. J. 2000. The rusted shield: Government's failure to enforce—or obey—our system of environmental law threatens the recovery of Puget Sound's wild salmon. Commissioned by the Bullitt Foundation.

- 4984 Liss, William. 2000. Salmon Metapopulations. Portland State University talk, March, 2000 (overheads). Portland, OR.
- 4985 Waples, R. S. 1995. Evolutionary significant units and the conservation of biological diversity under the Endangered Speices Act. American Fisheries Symposium 17: 8-27.
- 4986 National Marine Fisheries Service. 1995. Biological opinion for 1995 to 1998 hatchery operations in the Columbia River Basin.
- 4987 Oregon Sea Grant. El Nino. ORESU-G-97-008.
- 4988 Utter, F., and N. Ryman. 1993. Genetic markers and mixed stock fisheries. Fisheries 18:8 11-21.
- 4989 Mork, J. 1991. One-generation effects of farmed fish immigration on the genetic differentiation of wild Atlantic Salmon in Norway. Aquaculture 98: 267-276.
- 4990 Northwest Power Planning Council. 2000. The year of decision: Renewing the NPPC Fish and Wildlife Program. Taking the next step for fish and wildlife.
- 4991 Bakke, B., and J. Myron. 2000. Who'll catch the last wild fish? Op/Ed Oregonian. January 31, 2000.
- 4992 Coalition for Parks and Salmon. Nik Blosser.
- 4993 Moore, P. Give public "new pair of eyes" to view landscape, says ex-radical.
- 4994 Hemmingsen, A. R., and D. V. Buchanan. 1996. Bull Trout life hisotry, genetics, habitat needs, and limiting factors in Central and Northeast Oregon. Annual Report. Bonneville Power Administration, Portland, OR DOE/BP-34342-1.
- 4995 Neave, Ferris. 1958. The origin and speciation of *Oncorhyncus*. Trans. of the Royal Society of Canada. Vol. LII No. III June 1958.
- 4996 Moore, Milo. Plans and details for a comprehensive development program of natural salmon rearing areas in the State of Washington. Under contract to Washington State Department of Fisheries.
- 4997 Kramer, J. 1999. Puget Sound Salmon Habitat Assessment (maps). Puget

Sound Waterways, Seattle, WA

- 4998 Martin, Jim 1998. Factors influencing production of Willamette River salmonids and recommendations for conservation actions. ODFW, Corvallis, OR dated May 6, 1998.
- 4999 Chilcote, M. W. 1997. Conservation status of steelhead in Oregon. Peer review draft 9/9/97. ODFW, Portland, OR.
- 6000 Ketchum, L. 1999. A River Runs Through It. Oregon's Agricultural Progress, Spring Issue. 21-25.
- 6001 Geiger, H. J. and A. J. Gharrett. 1997. Salmon stocks at risk: What's the stock and what's the risk? Alaska Fishery Research Bulletin 4:2 178-181.
- 6002 Stevens, M. H. H. and K. W. Cummins. 1999. Effects of long-term disturbance on riparian vegetation and in-stream characteristics. J. of Freshwater Ecology. 14:1 1-17.
- 6003 Pearson, T. N. and C. W. Hopley. 1999. A practical approach for assessing ecological risks associated with fish stocking programs. Fisheries 24:9 16-23.
- 6004 Schuft, M. J., T. J. Moser, P. J. Wigington, Jr., D. L. Stevens, Jr., L. S. McAllister, Chapman, S. S., and T. L. Ernst. 1999. Development of landscape metrics for characterizing riparian-stream networks. Photogrammetric Engineering & Remote Sensing 65:10 1157-1167.
- 6005 Nikiforuk, A. 1996. The empty net syndrome. Canadian Business October Issue, 99-109.
- 6006 Ellis, D. W. 1998. It is time to bring the wild salmon home! Presentation to the Standing Committee on Fisheries And Oceans. January 20, 1998.
- 6007 Phinney, W. 1999. CRITFC Chooses Sampson. Confederated Umatilla Journal (Donny Sampson Nazis quote).
- 6008 Close, D. A. 1999. Restoration plan for Pacific Lampreys in the Umatilla River, Oregon. Confederated Tribes of the Umatilla Indian Reservation, Pendleton, OR.
- 6009 Shaffer, M. L. and F. B. Samson. 1985. (Notes and Comments) Population size and extinction: A note on determining critical population sizes. The American Naturalist 125:1 144-152.

- 6010 Simon, R. C., J. D. McIntyre, and A. R. Hemmingsen. 1986. Family size and effective population size in a hatchery stock of coho salmon (*Oncorhynchus kisutch*). *Can. J. Fish. Aquat. Sci.*, 43: 2434-2442.
- 6011 Bunting, R. 1994. Abundance and the forests of the Douglas-Fir bioregion, 1840-1920. *Env. History Review*, Winter 42-62.
- 6012 Carmel Finley. 1998. Pacific salmon treaty summary. Text Manuscript.
- 6013 College of Fisheries, University of Washington. 1959. Logging and Salmon. Fisheries Research Institute, Circular No. 105.
- 6014 Brooks, D. R. 1985. Historical ecology: A new approach to studying the evolution of ecological associations. *Ann. Missouri Bot. Gard.* 72: 660-680.
- 6015 Shaffer, M. L. 1981. Minimum population sizes for species conservation. *Bioscience* 31:2 131-134.
- 6016 Coutant, C. C. 1987. Poor reproductive success of striped bass from a reservoir with reduced summer habitat. *Transactions of the Am. Fish. Society* 116: 154-160.
- 6017 Federal Caucus, Citizen Update: Columbia River Basin Fish Recovery. Salmon and our future. Fall 1999 Issue 1.
- 6018 Federal Caucus, Citizen Update: Conservation of Columbia Basin Fish: Public meetings planned and report summaries. Winter 2000 Issue 2.
- 6019 Quigley, T. M., R. W. Haynes, and R. T. Graham. 1996. Integrated scientific assessment for ecosystem management in the interior Columbia Basin and portions of the Klamath and Great Basins. General Technical Report PNW-GTR-382, U. S. Forest Service Pacific Northwest Research Station, Portland, OR.
- 6020 Speaking for the salmon workshop record. June 1998. Summit of scientists—on the scientific underpinning of the 1998 management decisions for Pacific coho salmon. Simon Fraser University, Burnaby, BC, Can.
- 6021 Williams, R. N., R. F. Leary, and K. P. Currens. 1997. Localized genetic effects of long-term hatchery stocking program on resident rainbow trout in the Metolius River, Oregon. *N. Am. J. of Fish. Management*, 17: 1079-1093.

- 6022 Rayner, H. 1956?? Salmon Enhancement Program. Oregon Game Commission. Memeo Report.
- 6023 Hobart, W. L. 1995. Baird's Legacy: The history and accomplishments of NOAA's National Marine Fisheries Service, 1871-1996. NOAA Tech. Memorandum NMFS-F/SPO-18.
- 6024 Newman, K. 1997. Bayesian averaging of generalized linear models for passive integrated transponder tag recoveries from salmonids in the Snake River. *N. Am. J. of Fish. Management* 17: 362-377.
- 6025 Ward, D. L. and three others. 1997. A review and assessment of transportation studies for juvenile chinook salmon in the Snake River. *N. Am. J. of Fish. Management* 17: 652-662.
- 6026 Taylor, G. H. and C. Southards. 1997. Long-term climate trends and salmon population. Manuscript. 4 pages.
- 6027 Fryer, J. K. and P. R. Mundy. 1993. Determining the relative importance of survival rates at different life history stages of the time required to double adult salmon populations. Production of juvenile Atlantic salmon, *Salmo salar*, in natural waters. *Canadiation Special Publication of Fisheries and Aquatic Sciences* 118, 219-223.
- 6028 Washington Department of Fish and Wildlife. 1998. Puget Sound habitat factors by basin.
- 6029 Cederholm, J. and 12 others. 1999. Pacific salmon and wildlife— Ecological contexts, relationships, and implications for management. Draft 109 pages +.
- 6030 Powell, T. W. 1998. Pieces of the Past: Oregon's High Desert holds clues to America's prehistory. *Horizon Air Magazine*. October 1998. Pages 10-17.
- 6031 Olsen, K. 1998. Could grizzlies be fat and happy without salmon runs? *The Spokesman-Review*.
- 6032 Larkin, P. 1979. Maybe you can't get there from here: A foreshortened history of research in relation to management of Pacific salmon. *J. Fish Res. Board of Canada* 36: 98-106.
- 6033 Galvin, T. Last Call: The will to save Pacific salmon. David Suzuki Foundation. Internet download.

- 6034 DePalma, A. 1998. Canada no safe haven for birds or bears. New York Times, March 13, 1998, Page A1.
- 6035 Strangway, D. W. and W. D. Ruckelshaus. 1998. Pacific salmon report to the Prime Minister of Canada and the President of the United States. Internet download.
- 6036 Beamish, R. J., C. Mahnken, and C. M. Neville. 1997. Hatchery and wild production of Pacific salmon in relation to large-scale, natural shifts in the productivity of the marine environment. ICES J. of Marine Science 54: 1200-1215.
- 6037 Riddell, B. E. and D. P. Swain. 1991. Competition between hatchery and wild coho salmon (*Oncorhynchus kisutch*): genetic variation for agonistic behaviour in newly-emerged wild fry. Aquaculture 98: 161-172.
- 6038 McKinnell, S. and A. J. Thomson. 1997. Recent events concerning Atlantic salmon escapees in the Pacific. ICES J. of Marine Science 54: 1221-1225.
- 6039 den Boer, P. J. 1981. On the survival of populations in a heterogeneous and variable environment. Oecologia 50: 39-53.
- 6040 Washington, P. M. and A. M. Koziol. 1993. Overview of the interactions and environmental impacts of hatchery practices on natural and artificial stocks of salmonids. Fisheries Research 18: 105-122.
- 6041 Meffe, G. K. 1986. Conservation genetics and the management of endangered fishes. Fisheries 11:1 14-21.
- 6042 Saunders, R. L. 1991. Potential interaction between cultured and wild Atlantic salmon. Aquaculture 98: 51-60.
- 6043 Jacobsen, J. A. and E. Gaard. 1997. Open-ocean infestation by salmon lice: comparison of wild and escaped farmed Atlantic salmon (*Salmo salar* L.). ICES J of Marine Science 54: 1113-1119.
- 6044 Isaksson, A., S. Oskarsson, S. M. Einarsson, and J. Jonasson. 1997. Atlantic salmon ranching: past problems and future management. ICES J. of Marine Science 54: 1188-1199.
- 6045 Bergersen, E. P. and D. E. Anderson. 1997. The distribution and spread of *Myxobolus cerebralis* in the United States. Fisheries 22:8 6-7.
- 6046 Oregon Department of Fish and Wildlife. 1998. Letter dated June 17, 1998. Pinniped predation draft action plan.

- 6047 McIntosh, B. A. and 7 others. 1994. Management history of eastside ecosystems: changes in fish habitat over 50 years, 1935-1992. U. S. Forest Service, General Technical Report PNW-GTR-321, Portland, OR.
- 6048 Mathews, S. B. 1997. Analysis of chinook salmon harvest management. Consulting report for Long Live the Kings and Northwest Area Foundation.
- 6049 Fuhrer, G. J., and 6 others. 1996. Surface water quality assessment of the Yakima River Basin in Washington: Spatial and temporal distribution of trace elements in water, sediment, and aquatic biota, 1987-91., U. S. Geological Survey Open-File Report 95-440, Portland, OR.
- 6050 Fuhrer, G. J., and 4 others. 1996. Water quality of the lower Columbia River Basin: Analysis of current and historical water quality data through 1994.
- 6051 Smoker, Bill March 2, 2000, e-mail comment on book and historical information on history of northwest fisheries.
- 6052 Herring, Sardine, Ocean Productivity studies, tables, graphics.
- 6053 Oregon salmon ranching, OreAqua, etc., memos, Chum Salmon Hatchery, A New Industry for Oregon.
- 6054 Jensen, Howard. 1985. Oregon Department of Fish and Wildlife, Columbia River Management. January 1985.
- 6055 King, S. D. 1985. The 1984 Lower Columbia River recreational fisheries Bonneville to Astoria. ODFW, Fish Division, Columbia River Management, Portland, OR
- 6056 Edelman, M. S., and I. I. Dokuchaev. 1973. The development of national quotas by the International Commission for the Northwest Atlantic Fisheries. FAO, Technical Conference on Fishery Management and Development, Vancouver, CAN.
- 6057 Boerema, L. K. and J. A. Gulland. 1973 Stock assessment of the Peruvian anchovy and management of the fishery. FAO, Technical Conference on Fishery Management and Development, Vancouver, CAN.
- 6058 Cushing, D. H. 1973. The dependence of recruitment of parent stock. FAO, Technical Conference on Fishery Management and Development, Vancouver, CAN.

- 6059 Dickie, L. M. 1973. The interaction between fishery management and environmental protection. FAO, Technical Conference on Fishery Management and Development, Vancouver, CAN.
- 6060 Hamlisch. R. 1973. Fisheries Planning to meet economic and social objectives. FAO, Technical Conference on Fishery Management and Development, Vancouver, CAN.
- 6061 Lucas, E. E. 1973. Scientific advice to fisheries bodies. FAO, Technical Conference on Fishery Management and Development, Vancouver, CAN.
- 6062 Campbell, B. A. 1973. License limitation regulations: Canada's experience. FAO, Technical Conference on Fishery Management and Development, Vancouver, CAN.
- 6063 Kendall, W. C. 1939. Founders of Fish Culture, Marshall McDonald, 1835-1895. The Progress Fish Culturist, Jan-Feb. 1939, Washington, DC.
- 6064 Broz, J. S. Columbia-Snake River Salmon/Steelhead Plight. Twin Falls, ID.
- 6065 McMichael, G. A, T. N. Pearson, and S. A. Leider. 2000. Minimizing ecological impacts of hatchery-reared juvenile steelhead trout on wild salmonids in a Yakima Basin watershed. Pages 365-380 in E. E. Knudsen, C. R. Steward, D. D. MacDonald, J. E. Williams, and D. W. Reiser (eds.) Sustainable Fisheries Management: Pacific Salmon, Lewis Publishers, Boca Raton, LA.
- 6066 McMichael, G. A., C. S. Sharpe, and T. N. Pearsons. 1997. Effects of residual hatchery-reared steelhead on growth of wild rainbow trout and spring chinook salmon. Trans. of the Am. Fisheries Soc., 126(2): 230-239.
- 6067 McMichael, G. A. and T. N. Pearson. 1998. Effects of wild juvenile spring chinook salmon on growth and abundance of wild rainbow trout. Trans. of the Am. Fisheries Soc., 127(2): 261-274.
- 6068 McMichael, G. A., A. L. Fritis, and T. N. Pearsons. 1998. Electrofishing injury to stream salmonids; injury assessment at the sample, reach, and stream scales. North American J. of Fisheries Management, 18(4): 894-904.
- 6069 Pearsons, T. N. and A. L. Fritis. 1999. Maximum size of chinook salmon consumed by juvenile coho salmon. North American J. of Fisheries Management, 19(1): 165-170.

- 6070 McMichael, G. A., T. N. Pearsons, and S. A. Leider. 1999. Behavioral interactions among hatchery-reared steelhead smolts and wild *Oncorhynchus mykiss* in natural streams. Fisheries Management galley proof.
- 6071 Lange, Russell. 1994. Risk of population extinction from fixation of new deleterious mutations. *Evolution* 48(5): 1460-1469.
- 6072 Cederholm, C. J., M. D. Kunze, T. Murota, and A. Sibatani. 1999. Pacific salmon carcasses: Essential contributions of nutrients and energy for aquatic and terrestrial ecosystems. *Fisheries* 24(10): 6-15.
- 6073 Chetverikov, S. S. 1961. On certain aspects of the evolutionary process from the standpoint of modern genetics. *Proceedings of the American Philosophical Society* 105(2) 167-195.
- 6074 Naiman, R. J., J. J. Magnuson, D. M. McKnight, J. A. Stanford, and J. R. Karr. 1995. Freshwater Ecosystems and their management: A national initiative. *Science* Vol 270: 584-685.
- 6075 Utter, F. M., D. W. Chapman, A. R. Marshall. 1995. Genetic population structure and history of chinook salmon of the upper Columbia River. *Am. Fisheries Soc. Symp.* 17.
- 6076 Thomas, W. K., R. E. Withler, and A. T. Beckenbach. 1986. Mitochondrial DNA analysis of Pacific salmon evolution. *Can. J. Zool.* 64: 1058-1064.
- 6077 Ehrlich, P. R. and P. H. Raven. 1969. Differentiation of populations. *Science* 163: 1228-1232.
- 6078 Fjellheim, Arne, G. G. Raddum and B. T. Barlaup. 1995. Dispersal growth and mortality of brown trout (*Salmo trutta L.*) Stocked in a regulated west norwegian river. *Regulated Rivers: Research & Management* 10: 137-145.
- 6079 Altukhov, Y. P. and E. A. Salmenkova. 1991. The genetic structure of salmon populations. *Aquaculture* 98: 11-40.
- 6080 Pacific Fishery Management Council. 1981. Pacific herring plan. (first draft). Portland, OR
- 6081 Bowers, W. 1984. Columbia River commercial shad fisheries, 1984. ODFW, Col. River Management, Portland, OR
- 6082 Bonneville Power Administration. 1983. Responses to comments received

- on BPA's Environmental Assessment on proposed power systems changes to implement the water budget. Portland, OR.
- 6083 Junge, C. 1980. Technique for assessing responsibility for passage losses at Columbia and Snake River dams. Columbia River Fisheries Council, Portland, OR.
- 6084 Idaho Department of Fish and Game. 1996. Anadromous fish management plan 1992-1996. Idaho Fish and Game Department,
- 6085 Goetz, F. A. 1994. Distribution and juvenile ecology of bull trout (*Salvelinus confluentus*) in the Cascade Mountains. M. S. Thesis in Fisheries, Oregon State University, Corvallis.
- 6086 Lewis, S. D. 1997. Life history, population dynamics, and management of signal crayfish in Lake Billy Chinook, Oregon. M.S. thesis Oregon State University, Corvallis, OR.
- 6087 Hanski, I. And M. Gilpin. 1991. Metapopulation dynamics: brief history and conceptual domain. Biol. J. of the Linnean Society 42: 3-16
- 6087 Ebenhard, T. 1991. Colonization in metapopulations: a review of theory and observations. Biol. J. of the Linnean Society 42: 105-121.
- 6087 Harrison, S. 1991. Local extinction in a metapopulation context: an empirical evaluation. Biol. J. of the Linnean Society 42: 73-88.
- 6087 Verboom, J., K. Lankester, and J. A. J. Metz. 1991. Linking local and regional dynamics in stochastic metapopulation models. Biol. J. of the Linnean Society 42: 39-55.
- 6087 Gilpin, M. 1991. The genetic effective size of a metapopulation. Biol. J. of the Linnean Society 42: 165-175.
- 6088 Chilcote, M. W. 1976. Genetic comparison of Deschutes River steelhead and rainbow trout at selected enzyme loci. M. S. thesis, Oregon State University, Corvallis, OR.
- 6089 U. S. Forest Service. 1996. Status of the interior Columbia Basin: Summary of scientific findings. Pac. NW Research Station, Portland, OR
- 6090 Mackay, W. C., M. K. Brewin, and M. Monita (eds.) 1994. Friends of the Bull Trout Conference Proceedings. Bull Trout Task Force, P O Box 6270, Calgary, Alberta, CAN.

- 6091 Independent Economic Analysis Board for the NW Power Planning Council 1999. River economics: Evaluating trade-offs in Columbia River Basin fish and wildlife programs and policies. IEAB 99-1, Portland, OR.
- 6092 Pacific Northwest National Laboratory Ecology Group. 1997. A review of response to questions for the tree-step process review of the Nez Perce Tribal hatchery. Richland, WA.
- 6093 Herrig, D. M. 1990. A review of the lower Snake River compensation plan hatchery program. Lower Snake River Compensation Plan Office, Boise, ID.
- 6094 Croteau, E. J. 1998. Annual report fishcal year 1998. Lower Snake River Compensation Plan Office, Boise, ID.
- 6095 Lee, D. C., J. R. Sedell, B. E. Rieman, and 10 others. BROADSCALE assessment of aquatic species and habitats.
- 6096 Johnson, S. 1993. Ocean Harvest Rates on Oregon Coastal Coho Stocks. Memo to Rod Kaiser. ODFW.
- 6097 Carter, C. N. 1981. Multi-fishery activity in Oregon commercial fishing fleets: An economic analysis of short-run decision-making behavior. Ph.D. thesis Oregon State University, Corvallis, OR.
- 6098 Kobayashi, T. 1976. Salmon propagation in Japan. FAO Technical Conf. on Aquaculture. W/G3654.
- 6099 Emery, L. 1985. Review of fish species introduced in the Great lakes, 1819-1974. Technical report No. 45, Great Lakes Fishery Commission, Ann Arbor, MI.
- 6100 California Department of Fish and Game. 1991. Lower Mokelumne River fisheries management plan. Sacramento, CA.
- 6101 Allendorf, F. W. 1991. Evaluation of "Determining minimum viable populations under the Endangered species Act" by G. G. Thompson. NMFS Tech. Memo. R/NWC-198, Univ. of Montana, Missoula, MT.
- 6102 Snyder, N. F. R., H. A. Snyder. 1988. Biology and conservation of the California condor. *Current Ornithology* 6:175-267/ Plenum Press, New York.
- 6103 U. S. Fish and Wildlife Service. 1990. Policy and guidelines for planning and coordinating recovery of endangered and threatened species.

- 6104 Galtsoff, P. S. 1962. The story of the bureau of commercial fisheries biological laboratory Woods Hole, Massachusetts. (1995-1958) U. S. Dept. of Interior, Circular 145, Washington, DC.
- 6105 French, R. R., R. G. Bakkala, M. Osako and J. Ito. 1971. Distribution of salmon and related oceanographic features in the North Pacific Ocean, Spring 1968. Special Scientific Report-Fisheries No. 625, Seattle, WA.
- 6106 Stevenson, D. K. 1981. A review of the marine resources of the western central Atlantic Fisheries Commission (WECAFC) Region. FAO, Technical Paper No. 211.
- 6107 Jones, R. 1976. The use of marking data in fish population analysis. FAO Technical Paper No. 153.
- 6108 Rooke, D. G. 1953. Otolith-scale age determination study Umpqua River Specimens Dept. of Fish and Game Management, Oregon State College.
- 6109 Saltzman, W. O. 1951. The use of preserved otoliths as a means of determining the age of mature chinook salmon. Oregon Game Commission, Cooperative Wildlife Research Unit.
- 6110 Saltzman, B. 1951. Studies of the scales of Umpqua River Spring Chinook salmon. Oregon Cooperative Wildlife Research Unit.
- 9000 This series of files are stored in the shop in boxes.
- 9001 Mathewes, R. W. and L. E. Heusser. 1981. A 12000 year palynological record of temperature and precipitation trends in southwestern British Columbia. *Can. J. Bot.* 59: 707-710.
- 9002 Hewes, G. W. 1973. Indian fisheries productivity in pre-contact times in the Pacific salmon area. *NW Anthropological Res. Notes*, 7(2):133-155.
- 9003 Newspaper article. Peninsula Daily News, Sunday Nov. 27, 1994. River site gives clues to the past. Most of the fish bones at the site were 8,000 to 9,000 years old. Portland State University Professor wants to know whether the river washed the salmon onto the ancient shore or whether the tool-makers caught and ate the fish.
- 9003b Newspaper article. Peninsula Daily News, Sunday, Feb 5, 1995. Sea creatures react to changing climate. Environment: study suggests warming trend prompts moves.

- 9004 Jim's archeology notes
- 9005 Newspaper article. Seattle Post-Intelligencer, Sunday, May 8, 1994. A history at West Point. Metro model for saving 'lost' Indian artifacts. The soil record shows that 4,000 years ago people harvested everything available from the waters at West Point. (Solveig Torvik, member of Editorial Board.) Seattle archaeological site.
- 9006 Dunwiddie, P. W. 1986. A 6000-year record of forest history on Mount Rainier, Washington. *Ecology*, 67(1):58-68.
- 9007 Spier, Leslie. 1930. Klamath Ethnography. In Kroeber. A.L. and R. H. Lowie. University of California Publications in American Archaeology and Ethnology Vol. 30. Berkeley, CA.
- 9008 Nelson, R. K. 1982. A conservation ethic and environment: The Koyukon of Alaska. Chapter 10 pages 211-228 in *Resource Managers: North American and Australian Hunter-Hatherers*. N. M. Williams and E. S. Hunn (eds.) AAAS Selected Symposium 67. Westview Press, Inc. Boulder, CO.
- 9009 Hansen, H. P. and I. S. Allison. A pollen study of a fossil peat deposit on the Oregon Coast. *Northwest Science* 16: 86-92.
- 9010 Rochefort, R. M., R. L. Little, A. Woodward and D. L. Peterson. 1994. Changes in sub-alpine tree distribution in western North America: a review of climatic and other causal factors. *The Holocene* 4(1) 89-100.
- 9011 Richardson, A. 1982. The control of productive resources on the northwest coast of North America. Chapter 14 pages 93-112 in *Resource Managers: North American and Australian Hunter-Hatherers*. N. M. Williams and E. S. Hunn (eds.) AAAS Selected Symposium 67. Westview Press, Inc. Boulder, CO.
- 9012 Hamilton, Annette. 1982. The unity of hunting-gathering societies: Reflections on economic forms and resource management. Chapter 11 pages 229-247 in *Resource Managers: North American and Australian Hunter-Hatherers*. N. M. Williams and E. S. Hunn (eds.) AAAS Selected Symposium 67. Westview Press, Inc. Boulder, CO.
- 9013 Simenstad, C. A., J. A. Estes, K. W. Kenyon. 1978. Aleuts, Sea Otters, and Alternate Stable-State Communities. *Science* 200(28) 403-411.
- 9014 Martin, P. S. 1967. Prehistoric Overkill. Pages 75-120 in Martin, P. S. and

- H. E. Wright, Jr. (eds.) Pleistocene Extinctions: The Search for a Cause. Vol. 6 of the Proceedings of the VII Congress of the International Assoc. for Quaternary Research. Yale University Press.
- 9014b Haynes, Jr. C. V. 1967. Carbon-14 dates and early man in the new world. Pages 267-286. in Martin, P. S. and H. E. Wright, Jr. (eds.) Pleistocene Extinctions: The Search for a Cause. Vol. 6 of the Proceedings of the VII Congress of the International Assoc. for Quaternary Research. Yale University Press.
- 9014c Deevey, E. S., Jr. 1967. Introduction. Pages 63-72 in Martin, P. S. and H. E. Wright, Jr. (eds.) Pleistocene Extinctions: The Search for a Cause. Vol. 6 of the Proceedings of the VII Congress of the International Assoc. for Quaternary Research. Yale University Press.
- 9014d Jelinek, A. J. 1967. Man's role in the extinction of Pleistocene faunas. Pages 2193-199 in Martin, P. S. and H. E. Wright, Jr. (eds.) Pleistocene Extinctions: The Search for a Cause. Vol. 6 of the Proceedings of the VII Congress of the International Assoc. for Quaternary Research. Yale University Press.
- 9014e Hester, J. J. 1967. The agency of man in animal extinctions. Pages 169-191 in Martin, P. S. and H. E. Wright, Jr. (eds.) Pleistocene Extinctions: The Search for a Cause. Vol. 6 of the Proceedings of the VII Congress of the International Assoc. for Quaternary Research. Yale University Press.
- 9015 Walker, D. E. Jr. 1967. Mutual cross-utilization of economic resources in the plateau: An example from aboriginal Nez Perce fishing practices. Washington State University, Report of Investigations No. 41.
- 9016 Kroeber, A. L. 1923. The history of native culture in California. American Archaeology and Ethnology, University of California Publications, Berkeley, CA, 20: 125-142.
- 9017 West, F. H. The antiquity of man in America. Chapter 18. 364-382.
- 9018 Boas, F. 1923. Notes on the Tillamook. American Archaeology and Ethnology, University of California Publications, Berkeley, CA, 20:3-16.
- 9019 Waterman, T. T. and A. L. Kroeber. (1965 reprint). The Kepel Fish Dam. American Archaeology and Ethnology, University of California Publications, Berkeley, CA, (1934-43) Vol 35: 49-79.
- 9020 Cole, D. and I. Chaikin. 1990. An Iron Hand Upon the People: The Law Against the potlatch on the Northwest Coast. University of Washington

Press, Seattle, WA.

- 9021 Brenneman, W. L., Jr. The circle and the cross: Loric and sacred space in the holy wells of Ireland. Chapter 9. 137-158.
- 9022 Spott, R. and A. L. Kroeber. (1965 reprint). Yurok Narratives. American Archaeology and Ethnology, University of California Publications, Berkeley, CA, (1934-43) Vol 35: 143-...
- 9023 Draper, J. A. 1981. Oregon Coast prehistory: A brief review of archaeological investigations on the Oregon Coast. Northwest Anthropological Research Notes Fall 15(2) 149-160.
- 9024 Bella, D. to B. Liss. Memo: January 24, 1995. Burden of Proof Dimension. Cumulative impacts.
- 9025 Hewes, G. W. ... Economic and geographical relations of aboriginal fishing in northern California . California Fish and Game. 103-110
- 9026 Benda, L., T. J. Beechie, R. C. Wissmar and A. Johnson. 1992. Morphology and evolution of salmonid habitats in a recently deglaciated river basin, Washington State, USA. Can. J. Fish. Aquat. Sci. 49: 1246-1256.
- 9027 Schalk, R. F. 1986. Estimating salmon and steelhead usage in the Columbia Basin before 1850: The anthropological perspective. The Northwest Environmental Journal 2:2 1-29.
- 9028 Schalk, R. F. 1981. Land use and organizational complexity among foragers of Northwestern North America. Senri Ethnological Studies 9, Senri, 53-75. Osaka, Japan.
- 9029 Baumhoff, M. A. 1963. Ecological Determinants of Aboriginal California Populations. University of California Press, Berkeley, CA.
- 9030 Drucker, P. 1965. A Karuk world-renewal ceremony at Panaminik. American Archaeology and Ethnology, University of California Publications, (1943 Vol. 35 1934-35) Kraus Reprint Corporation, New York.
- 9031 Snyder, J. O. 1924. Indian methods of fishing on Trinity River and some notes on the king salmon of that stream. California Fish and Game 10(4):163-173.
- 9032 Hunn, E. S. 1982. Mobility as a factor limiting resource use in the

- Columbia Plateau of North America. Pages 17-43 in *Resource Managers: North American and Australian Hunter-Hatherers*. N. M. Williams and E. S. Hunn (eds.) AAAS Selected Symposium 67. Westview Press, Inc. Boulder, CO.
- 9033 Cook, S. F. 1955 reprint. The epidemic of 1830-1833 in California and Oregon. *University of California Publications in American Archaeology and Ethnology*. (1946-1956) 43:3 303-326. University of California Press, Berkeley, CA.
- 9034 Drucker, P. 1965 reprint. Contributions to Alsea Ethnography. *University of California Publications in American Archaeology and Ethnology*. (1934-1943) 35:81-101. University of California Press, Berkeley, CA. Kraus Reprint Corporation, New York, NY.
- 9035 Schalk, R. F. 1977 reprint. The structure of an anadromous fish resource. Pages 207- 249 in *For Theory Building in Archaeology. Essays on Faunal Remains, Aquatic Resources, Spatial Analysis and Systemic Modeling*. Chapter 5. Lewis R. Binford (ed.) Academic Press, Inc., New York.
- 9036 Gunther, Erna. 1928. A Further Analysis of the First Salmon Ceremony. Ph.D. thesis Dept. of Philosophy, Columbia University, New York. *Anthropology* 2(5):129-173 University of Washington Press, Seattle, WA.
- 9037 Gunther, Erna. 1926. An analysis of the first salmon ceremony. *American Anthropologist*, 28: 605-617. Menasha, WI.
- 9038 Cavender, T. M. and R. R. Miller. 1972. *Smilodonichthys rastrosus* A new Pliocene salmonid fish from western United States. *Museum of Natural History, Bulletin No. 18*, 1-44, Eugene, OR.
- 9039 Broecker, W. S., M. Ewing and B. C. Heezen. 1960. Evidence for an abrupt change in climate close to 11,000 years ago. *Am. J. of Sci.* 258: 429-448.
- 9040 Hansen, H. P. and E. L. Packard. 1949. Pollen analysis and the age of Proboscidian bones near Silverton, OR. *Ecology* 30(4): 461-468.
- 9041 Hansen, H. P. 1941. Paleoeecology of two peat deposits on the Oregon Coast. *Oregon State Monographs Studies in Botany*, No. 3. Oregon State University, Corvallis, OR.
- 9042 Ewing, M. and W. L. Donn. 1956. A Theory of Ice Ages. *Science* 123(3207) 1061-1066.

- 9043 Swetnam, T. W. 1993. Fire history and climate change in giant Sequoia groves. *Science* 262: 885-889.
- 9044 Ely, L. L., Y. Enzel, V. R. Baker, and D. R. Cayan. 1993. A 5000-year record of extreme floods and climate change in the southwestern United States. *Science* 262: 410-...
- 9045 Chatters, J. C. and K. A. Hoover. 1986. Changing late holocene flooding frequencies on the Columbia River, Washington. *Quaternary Research* 26: 309-320.
- 9046 Johnson, A. 1982. Reductionism in cultural ecology: The Amazon case. *Current Anthropology* 23(4): 413-428.
- 9047 Jentoft, S. and T. Kristoffersen. 1989. Fishermen's co-management: The case of the Lofoten fishery. *Human Organization. (J. of the Soc. Of Applied Anthropology)*. 48(4): 355-364.
- 9048 Johannes, R. E. 1978. Traditional marine conservation methods in Oceania and their demise. *Ann. Rev. Ecol. Systematics* 9: 349-364.
- 9049 Kitner, K. R. and J. R. Maiolo. 1988. On becoming a Billfisherman: A study of enculturation. *Human Organization. (J. of the Soc. Of Applied Anthropology)*. 47(3):213-223.
- 9050 Leibhardt, B. 1990. Law, environment, and social change in the Columbia River Basin: The Yakima Indian Nation as a case study, 1840-1933. Ph.D. dissertation, In *Jurisprudence and Social Policy*,
- 9051 Greenspan, R. L. 1990. Prehistoric fishing in the northern Great Basin. Pages 207-232 in J. C. Jenetski and D. B. Madsen (eds.) *Wetland adaptations in the Great Basin. Papers from the 21st Great Basin Anthropological Conference. Museum of Peoples and Cultures, Occasional Paper No. 1, Brigham Young University, Provo, UT.*
- 9052 Musil, R. R. 1991. Archaeological investigations at the McCoy Creek site (35HA1263), Harney County, Oregon. *Heritage Research Associates Report No. ... Draft.*
- 9053 Tuohy, D. R. 1990. Pyramid Lake fishing: The archaeological record. Pages 121-158 in J. C. Jenetski and D. B. Madsen (eds.), *Wetland adaptations in the Great Basin. Papers from the 21st Great Basin Anthropological Conference. Museum of Peoples and Cultures, Occasional Paper No. 1, Brigham Young University, Provo, UT.*

- 9054 Battelle-Pacific Northwest Division. 12,000 years of land use. Sequim Bay brochure.
- 9055 Ames, Kenneth. Newspaper article. Archaeologists fish for clues to when salmon took key role. (Professor of Anthropology at Portland State University)
- 9056 Mercurieff, Larry. 1990. Western society's linear systems and aboriginal cultures: the need for two-way exchanges for the sake of survival. Conference of Hunting and Gathering Societies.
- 9057 Frissell, C. A. 1989 draft. Evolution of the salmonid fishes: Zoogeography and the fossil record. OSU, Corvallis,
- 9058 Tchernavin, V. 1939. The origin of salmon. The Salmon and Trout Magazine (J. of the Salmon and Trout Association) 95: 120-140. Fishmongers Hall, London.
- 9059 Rounsefell, G. A. 1961. Relationships among North American salmonidae. Fish and Wildlife Service, Fisheries Bulletin 209, Vol. 62, Washington, DC.
- 9060 Hubbs, C. L. Wandering of pink salmon and other salmonid fishes into southern California. California Fish and Game. 81-86.
- 9061 Evermann, B. W. and H. W. Clark. A distributional list of the species of freshwater fishes known to occur in California. ...
- 9062 Miller, R. R. and R. G. Miller. 1948. The contribution of the Columbia River system to the fish fauna of Nevada: Five species unrecorded from the state. Copeia No. 3 174-187.
- 9063 Bartley, D. M. and G. A. E. Gall. 1990. Genetic structure and gene flow in Chinook salmon populations of California. Trans. A. Fish Soc. 119: 55-71.
- 9064 Tsuyuki, H. and E. Roberts. 1966. Inter-species relationships within the genus *Oncorhynchus* based on biochemical systematics. J. Fish Res. B. Canada 23(1): 101-107.
- 9065 Allison, I. S. 1966. Fossil Lake, Oregon: Its Geology and Fossil Faunas. Oregon State University Press, Corvallis, OR.
- 9066 Heusser, C. J. 1972. Palynology and Phytogeographical significance of Late-Pleistocene refugium near Kalaloch, Washington. Quaternary Research 2 189-201.

- 9067 Antevs, E. 1955. Geologic/climatic dating in the west. *American Antiquity* 20(4) 317-335.
- 9068 Waitt, R. B., Jr., and R. M. Thorson. ... The Cordilleran Ice Sheet in Washington, Idaho and Montana. Chapter 3 Pages 53-70 in H. E. Wright, Jr., *Late-Quaternary Environments of the United States*, University of Minnesota Press, Minneapolis.
- 9069 Heusser, C. J. ... Vegetational history of the northwestern United States including Alaska. Chapter 13 Pages 239-258 (Chapter 13) in H. E. Wright, Jr., *Late-Quaternary Environments of the United States*, University of Minnesota Press, Minneapolis.
- 9070 Imbrie, J., A. McIntyre and T. C. Moore, Jr. The ocean around North America at the last glacial maximum. Pages 230-236 (Chapter 12) in H. E. Wright, Jr., *Late-Quaternary Environments of the United States*, University of Minnesota Press, Minneapolis.
- 9071 Armstrong, J. E., D. R. Crandell, D. J. Easterbrook, J. B. Noble. 1965. Late Pleistocene stratigraphy and chronology in southwestern British Columbia and Northwestern Washington. *Geological Society of American Bulletin* 76: 321-330.
- 9072 Habeck, J. R. 1961. The original vegetation of the mid-Willamette Valley, Oregon. *Northwest Science* 35(2): 65-77.
- 9073 Allison, I. S. 1979. Pluvial Fork Rock Lake, Lake County, Oregon. Dept. of Geology and Mineral Industries, Special Paper 7, Salem, OR.
- 9074 Hubbs, C. L. and R. R. Miller. The Great Basin with Emphasis on Glacial and Post glacial Times. II. The Zoological Evidence. Correlation between fish distribution and hydrographic history in the desert basins of western United States. Reprint from bulletin of the University of Utah Vol. 38 No. 20 .21-..
- 9075 Identity and probable age of salmonids from surface deposits at Fossil Lake, Oregon. *Copeia* 1983. Ichthyological notes (2)563-564.
- 9076 Baker, V. R.Late-Pleistocene fluvial systems. Pages 115-129 (Chapter 5) in H. E. Wright, Jr., *Late-Quaternary Environments of the United States*, University of Minnesota Press, Minneapolis.
- 9077 Crockford, S. 1994. New archaeological and echnographic evidence of an extinct fishery for giant bluefin tuna (*Thunnus thynnus orientalis*) on the

Pacific Northwest Coast of North America. Fish Exploitation in the Past. Proceedings of the 7th meeting of the ICAZ Fish Remains Working Group. Van Neer, W. (ed). Annales du Musee Royal de l'Afrique Centrale, Sciences Zoologiques n° 274, Tervuren.

9078 Handhout - The geologic story of the Columbia Basin.

9079 Cameron, John. "Sense of Place, Spirit of Place: Dilemmas and Possibilities." A talk given at Barbara Blackman Temenos Seminar, Art Gallery NSW 15/11/98.

Other documents not inventoried:

Oregon Department of Fish and Wildlife Information Reports & Annual Reports by year - to present.

Bonneville Power Administration Reports

International North Pacific Fisheries Commission Bulletins - 1955 - present

Transactions of American Fisheries Society - 1959 to present (some missing issues)

Journal Fisheries Research Board of Canada - 1964 - 1983 (some missing issues)

Canadian Journal Aquatic Science - 1992 - present

Fisheries Magazine -

Conservation Biology - 1990-present

Archival copies of older Commissions and State Reports