

Version: October 13, 2000

References

33 Code of Federal Regulations (CFR) Part 66 “Coast Guard, Department of Transportation – Private Aids to Navigation.”

33 Code of Federal Regulations (CFR) Part 84 “Coast Guard, Department of Transportation – Inland Navigation Rules: Positioning and Technical Details of Lights and Shapes.”

33 Code of Federal Regulations (CFR) Part 87 “Coast Guard, Department of Transportation – Inland Navigation Rules: Distress Signals.”

33 Code of Federal Regulations (CFR) Part 88 “Coast Guard, Department of Transportation – Inland Navigation Rules: Pilot Rules.”

33 Code of Federal Regulations (CFR) Part 90 “Coast Guard, Department of Transportation – Inland Navigation Rules: Interpretive Rules.”

33 Code of Federal Regulations (CFR) Part 320 “Corps of Engineers, Department of the Army, Department of Defense – General Regulatory Policies.”

33 Code of Federal Regulations (CFR) Part 322 “Corps of Engineers, Department of the Army, Department of Defense – Permits for Structures or Work in or affecting Navigable Waters of the United States.”

33 Code of Federal Regulations (CFR) Part 323 “Corps of Engineers, Department of the Army, Department of Defense – Permits for the Discharge of Dredged or Fill Material in Waters of the United States.”

33 Code of Federal Regulations (CFR) Part 328 “Corps of Engineers, Department of the Army, Department of Defense – Definitions of Waters of the United States.”

33 Code of Federal Regulations (CFR) Part 329 “Corps of Engineers, Department of the Army, Department of Defense – Definition of Navigable Waters of the United States.”

33 Code of Federal Regulations (CFR) Part 330 “Corps of Engineers, Department of the Army, Department of Defense – Nationwide Permit Program.”

40 Code of Federal Regulations (CFR) Part 130 “Protection of the Environment, Environmental Protection Agency – Policies and Procedures for Continuing Planning Process.”

40 Code of Federal Regulations (CFR) Part 230 “Environmental Protection Agency - Section 404(b)(1) Guidelines for Specification of Disposal of Dredged or Fill Material.”

40 Code of Federal Regulations (CFR) Part 1508 "Council for Environmental Quality – Terminology and Index."

50 Code of Federal Regulations (CFR) 17 "U.S. Fish and Wildlife Service – Endangered and Threatened Wildlife and Plants".

50 Code of Federal Regulations (CFR) 226. "National Marine Fisheries Service, National Oceanographic and Atmospheric Administration (NOAA), Department of Commerce – Designated Critical Habitat."

50 Code of Federal Regulations (CFR) 402 "Joint Regulations for Endangered Species Act – Interagency Cooperation, Endangered Species Act of 1973 as amended."

16 United States Code (U.S.C) 1531 "The Endangered Species Act". 1988.

16 United States Code (U.S.C.) 1532 "The Endangered Species Act". 1988.

Adams, P. and J. Ringer. 1994. "The effects of timber harvesting and forest roads on water quantity and quality in the Pacific Northwest: Summary and Annotated Bibliography". Oregon State University. Forest Engineering Department. Corvallis, Oregon.

American Fisheries Society, Western Division, 1982. "The Best Management Practices for the Management and Protection of Western Riparian Stream Ecosystems".

Anderson, B.G., and D.W. Narver. 1975. "Fish populations of Carnation Creek and other Barkley Sound Streams—1974". Fish. Res. Board Can., Nanaimo, British Columbia. Manuscr. Rep. Ser. 1351, 73 p.

Appleby, A., and K.Keown. 1994. History of White River Spring Chinook Broodstocking and Captive Rearing Efforts. Washington Department of Fish and Wildlife, 53 p.

Bakkala, R.G. 1970. "Intertidal spawning of pink and chum salmon at Olsen Bay, Prince William Sound, Alaska." Manuscript Report MR 64-6, U.S. Fish and Wildlife Service Biological La., Auke Bay, AK.

Becker, C.D. 1967. "The Green River Hatchery, Washington: A historical and statistical review". Fisheries Research Institute Circ. 67-1, University of Washington, Seattle.

Beechie, T., E. Beamer, B. Collins, and L. Benda. 1994. "Restoration of habitat-forming processes in Pacific Northwest watersheds: a locally adaptable

approach to salmonid habitat restoration". Society of Ecological Restoration, Madison, Wisconsin.

Beschta, R.L., R. E. Bilby, G.W. Brown, L.B. Holtby and T.D. Hofstra. 1987. "Stream temperature and aquatic habitat: fisheries and forestry interactions". Pages 191-232 in E. O. Salo and T.W. Cundy, editors. Streamside management: forestry and fishery Interactions. University of Washington, Institute of Forest Resources Contribution 57, Seattle.

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". Can. J. Fish. Aquat. Sci. 53:164-173. 210

Bishop, S., and A. Morgan, (eds.). 1996. Critical Habitat Issues by Basin for Natural Chinook Salmon Stocks in the Coastal and Puget Sound Areas of Washington State. Northwest Indian Fisheries Commission, Olympia, WA, 1005 p.

Bisson, P.A., and J.R. Sedell. 1984. "Salmonid populations in streams in clearcut vs. old-growth forests of eastern Washington". In W.R. Meehan, Jr., T.R. Merrell and T.A. Hanley (eds.), Fish and wildlife relationships in old-growth forests, p. 121-129. Institute of Fisheries Research Biologists, Morehead City, NC.

Bisson, P.A., R.E. Bilby, M.D. Bryant, C.A. Dolloff, G.B. Grette, R.A. House, M.L. Murphy, K.V. Koski, and J.R. Sedell. 1987. "Large woody debris in forested streams in the Pacific Northwest: past, present, and future". In E.O. Salo and T.W. Cundy (eds.), Streamside management: forestry and fishery interactions, p. 143-190. Univ. Washington, Institute of Forest Resources, Seattle.

Bjornn, T. C., D.R. Craddock, and D.R. Corley. 1968. "Migration and survival of Redfish Lake, Idaho, sockeye salmon, *Oncorhynchus nerka*." *Trans. Am. Fish. Soc.* 97(4): 360-373.

Boag, T.D. 1987. "Food habits of bull char, *Salvelinus confluentus*, and rainbow trout, *Salmo gairdneri*, coexisting in a foothills stream in northern Alberta, Canada", *Can. Field-Nat.* 101: 56-62.

Bond, C. E. 1992. "Notes on the nomenclature and distribution of the bull trout and the effects of human activity on the species". Pages 1-4 in P.J. Howell and D.V. Buchanan, editors. Proceedings of the Gearhart Mountain bull trout workshop. American Fisheries Society, Oregon Chapter, Corvallis.

Bonneville Power Administration (BPA). 1992. Stock summary reports for Columbia River anadromous salmonids, 5 volumes. Columbia River Coordinated Information System (CIS).

Brooks, Kenneth. 1995. "Literature Review, Computer Model and Assessment of the Potential Environmental Risks Associated With Creosote Treated Wood Products Used in Aquatic Environments". Port Townsend, Washington. Aquatic Environmental Services.

Brown, C. J. D. 1971. Fishes of Montana. The Endowment and Research Foundation, Montana State University, Bozeman, MT.

Brown, L.G. 1992. "On the zoogeography and life history of Washington's native char; Dolly Varden *Salvelinus malma* (Walbaum) and bull trout *Salvelinus confluentus* (Suckley)". Wash. Dep. Wildl., Olympia, WA. Rep. #94-04. (Available from WDFW, 600 Capitol Way N., Olympia, WA 98501-1091.)

Bulkley, R.V. 1966. "Catch of the 1965 tidewater cutthroat sport fishery and notes on the life history of the coastal cutthroat trout in the Siuslaw River, Oregon". Research Division, Oregon Game Commission, Fish. Res. Rep. #4, Oregon State Univ., Corvallis, OR.

Burgner, R.L., J.T. Light, L. Margolis, T. Okazaki, A. Tautz, and S. Ito. 1992. "Distribution and origins of steelhead trout (*Oncorhynchus mykiss*) in offshore waters of the North Pacific Ocean". Int. North Pac. Fish. Comm. Bull. 51:52.

Busby, P.J., T.C. Wainwright, G.J. Bryant, L.J. Lierheimer, R.S. Waples, F. W. Waknitz and I.V. Lagomarsino. 1996. Status review of West Coast steelhead from Washington, Idaho, Oregon, and California. U.S. Dept. Commer., NOAA Tech. Memo NMFS-NMFSC- 27, 261 p.

Cavender, T.M. 1978. Taxonomy and Distribution of the Bull Trout, *Salvelinus confluentus* (Suckley), from the American Northwest. California Fish and Game 64(3): 139-174.

Cederholm, C.J., and W.J. Scarlett. 1982. "Seasonal immigrations of juvenile salmonids into four small tributaries of the Clearwater, Washington, 1977-1981". In E.L. Brannon and E.O. Salo (eds.), Proceedings of the salmon and trout migratory behavior symposium, p. 98-110. Univ. Washington, Seattle.

Chamberlin, T.W., R.D. Harr, and F.H. Everest. 1991. "Timber harvesting, silviculture, and watershed processes". In W.R. Meehan (ed.), Influence of forest and rangeland management on salmonid fishes and their habitats, p. 181-205. Am. Fish. Soc. Spec. Publ. 19, Bethesda. 213

Clarke, W.C., and T. Hirano. 1995. "Osmoregulation". In C. Groot, L. Margolis and W.C. Clarke (eds.), Physiological ecology of Pacific salmon, p. 317-377. UBC Press, Vancouver.

Collis, K., R.E. Beaty and B.R. Crain. 1995. "Changes in Catch Rate and Diet of Northern Squawfish Associated with the Release of Hatchery-Reared Juvenile Salmonids in a Columbia River Reservoir." *North American Journal of Fisheries Management*, 15:346-357.

Connolly, P.J. 1997. "Influence of stream characteristics and age-class interactions on populations of coastal cutthroat trout". In J.D. Hall, P.A. Bisson and R.E. Gresswell (eds.), *Sea-run cutthroat trout: biology, management, and future conservation*, p. 173-174. Am. Fish. Soc., Corvallis.

Craig, S.D., and R.C. Wissmar. 1993. "Habitat conditions influencing a remnant bull trout spawning population, Gold Creek, Washington". Draft Report. Fisheries Research Institute, University of Washington.

Cramer, F.K. 1940. "Notes on the natural spawning of cutthroat trout *Salmo clarkii clarkii* in Oregon". Proceedings of the Sixth Pacific Science Conference of the Pacific Science Association 3:335-339.

Cramer, F.K and Bullock. 1995. In Federal Register. 1996. 50 CFR 222 and 227, *Endangered and Threatened Species: Proposed Endangered Status for Five ESUs of Steelhead and Proposed Threatened Status for Five ESUs of Steelhead in Washington, Oregon, Idaho, and California*. 61 FR 41541.

Cudaback, C. N. and D. A. Jay, 1996. Buoyant plume formation at the mouth of the Co-lumbia River -- an example of internal hydraulic control?, *Buoyancy Effects on Coastal and Estuarine Dynamics*, AGU Coastal and Estuarine Studies 53: 139-154.

Dames and Moore. 1981. "Commencement Bay Studies". Prep. For the U.S. Army Corps of Engineers, Seattle District, Seattle, Washington.

Dawley, E.M., C.W. Sims, and R.D. Ledgerwood. 1978. "A study to define the migrational characteristics of chinook and coho salmon and steelhead trout in the Columbia River Estuary". 1978, Annual Report to Pacific Northwest Regional Commission, 23 p. (Available from Environmental and Technical Services Division, NMFS, 525 NE Oregon St., Portland, OR 97232.)

Dawley, E.M., C.W. Sims, R.D. Ledgerwood, D.R. Miller, and F.P. Thrower. 1979. "A study to define the migrational characteristics of chinook and coho salmon and steelhead trout in the Columbia River Estuary. 1979" Annual Report to Pacific Northwest Regional Commission, National Marine Fisheries Service, Portland, OR.

Dawley, E.M., C.W. Sims, R.D. Ledgerwood, D.R. Miller, and J.G. Williams. 1980. "A study to define the migrational characteristics of chinook and coho salmon and steelhead trout in the Columbia River Estuary. 1980" Annual Report

to Pacific Northwest Regional Commission, National Marine Fisheries Service, Portland, OR.

Dawley, E.M., et al. 1986. *In Federal Register*. 1996. 50 CFR 222 and 227, *Endangered and Threatened Species: Proposed Endangered Status for Five ESUs of Steelhead and Proposed Threatened Status for Five ESUs of Steelhead in Washington, Oregon, Idaho, and California*. 61 FR 41541.

Dethier, M. N., 1990. A Marine and Estuarine Habitat Classification System for Washington State. Washington Department of Natural Resources.

DeWitt, J.W. 1954. "A survey of the coastal cutthroat trout, *Salmo clarki clarki* Richardson, in California". *Calif. Fish Game* 40:329-335.

Dimick, R.E., and F. Merryfield. 1945. "The fishes of the Willamette River system in relation to pollution". Oregon State College, Engineering Experiment Station. Bulletin 20, 23 p. 215

Donald, D.B., and D.J. Alger. 1993. "Geographic distribution, species displacement, and niche overlap for lake trout and bull trout in mountain lakes." *Canadian Journal of Zoology*. 71:238-247.

Duff, R.L. 1972. "The 1969-70 and 1970-71 sea-run cutthroat tagging and evaluation study at the Cowlitz Trout Hatchery". Wash. Dep. Game. Fish. Manage. Div. Rep., 26 p. (Available from WDFW, 600 Capitol Way N., Olympia, WA 98501-1091.)

Duker, G., C. Whitmus, E.O. Salo, G.B. Grette, and W.M. Schuh. 1989. "Distribution of juvenile salmonids in Commencement Bay, 1983". Final report to Port of Tacoma, Washington. Fisheries Research Institute, FRI-UW-8908, School of Fisheries, University of Washington, Seattle.

Dunstan, W. 1955. "White River downstream migration". Puget Sound stream studies (1953-1956) Washington Department of Fisheries.

Edie, B.G. 1975. "A census of the juvenile salmonids of the Clearwater River basin, Jefferson County, Washington, in relation to logging". M.S. Thesis, Univ. Washington, Seattle, 86 p.

Endangered Species Act, Public Law No. 93-205, § 3. Definitions. (1973).

Endangered Species Act, Public Law No. 93-205, § 4. Determination of Endangered Species and Threatened Species. (1973).

Endangered Species Act, Public Law No. 93-205, § 7. Interagency Cooperation. (1973).

Fausch, K.D., and T.G. Northcote. 1992. "Large woody debris and salmonid habitat in a small coastal British Columbia stream". *Can. J. Fish. Aquat. Sci.* 49(4):682-693. 216

Fausch, K.D., and M.K. Young. 1995. Evolutionarily significant units and movement of resident stream fishes: a cautionary tale. *In* J.L. Nielsen (ed.), *Evolution and the aquatic ecosystem: defining unique units in population conservation*, p. 360-370. *Am. Fish. Soc. Symp.* 17, Bethesda, MD.

Federal Energy Regulatory Commission (FERC). 1996 as cited in "Technical Studies in Support of Section 4(e) Condition for the Cushman Hydroelectric Project".

Federal Register. 1990. 50 CFR 227; *Listing of Steller Sea Lions as Threatened Under Endangered Species Act with Protective Regulations*, 56 FR 12645.

Federal Register. 1990. 50 CFR 17; *Endangered and Threatened Wildlife and Plants; Reclassification of the Aleutian Canada Goose from Endangered to Threatened Status*, 56 FR 51106.

Federal Register. 1991. 50 CFR 27; *Endangered and Threatened Species; Proposed Threatened Status for Snake River Spring and Summer Chinook Salmon*, 56 FR 29542.

Federal Register. 1994. 50 CFR 222 and 227; *Endangered and Threatened Species; Status of Snake River Spring/Summer Chinook Salmon and Snake River Fall Chinook Salmon*, 59 FR 42529.

Federal Register. 1996. *Draft Policy Regarding Controlled Propagation of Species Listed Under the Endangered Species Act; Request for Public Comment; Notice*, 61 FR 4722-4725.

Federal Register. 1996. 50 CFR Part 17 *Endangered and Threatened Species, Plant and Animal Taxa; Proposed Rule*, 61 FR 7596-7613.

Federal Register. 1996. 50 CFR 222 and 227, *Endangered and Threatened Species: Proposed Endangered Status for Five ESUs of Steelhead and Proposed Threatened Status for Five ESUs of Steelhead in Washington, Oregon, Idaho, and California*. 61 FR 41541.

Federal Register. 1997. 50 CFR 17; *Endangered and Threatened Species; Proposal to List the Klamath River Population Segment of Bull Trout as an Endangered Species and Columbia River Population Segment of Bull Trout as a Threatened Species*, 62 FR 32268.

Federal Register. 1998a. 50 CFR 222, 226, and 227, *Endangered and Threatened Species; Proposed Endangered Status for Two Chinook Salmon ESUs and Proposed Threatened Status for Five Chinook Salmon ESUs; Proposed Redefinition, Threatened Status, and Revision of Critical Habitat for One Chinook Salmon ESU; Proposed Designation of Chinook Salmon Critical Habitat in California, Oregon, Washington, Idaho.* 63 FR 11482.

Federal Register. 1998b. 50 CFR 226 and 227, *Endangered and Threatened Species; Proposed Threatened Status and Designated Critical Habitat for Hood Canal Summer-Run Chum Salmon and Columbia River Chum Salmon; Proposed Rule.* 63 FR 11774.

Federal Register. 1998c. 50 CFR 17, *Endangered and Threatened Wildlife and Plants; Determination of Threatened Status for the Klamath River and Columbia River Distinct Population Segments of Bull Trout, Final Rule.* 63 FR 31647.

Federal Register. 1999a. 50 CFR 226, *Designated Critical Habitat: Proposed Critical Habitat for Nine Evolutionarily Significant Units of Steelhead in Washington, Oregon, Idaho, and California;* 64 FR 5740.

Federal Register. 1999b. 50 CFR Parts 223 and 224. *Endangered and Threatened Species: Threatened Status for Three Chinook Salmon Evolutionarily Significant Units in Washington and Oregon, and Endangered Status for One Chinook Salmon ESU in Washington; Final Rule.* 64 FR 14308.

Federal Register. 1999c. 50 CFR 223, *Endangered and Threatened Species: Threatened Status for Two ESUs of Chum Salmon in Washington and Oregon, for Two ESUs of Steelhead in Washington and Oregon, and for Ozette Lake Sockeye Salmon in Washington; Rules.* 64 FR 14508.

Federal Register. 1999d. 50 CFR 17, *Endangered and Threatened Species: Threatened Status for Southwestern Washington/Columbia River Coastal Cutthroat Trout in Washington and Oregon, and Delisting of Umpqua River Cutthroat Trout in Oregon.* 64 FR 16397.

Federal Register. 1999e. 50 CFR 17, *Endangered and Threatened Wildlife and Plants; Determination of Threatened Status for Bull Trout in the Coterminous United States; Final Rule.* 64 FR 58910.

Federal Register. 2000, 50 CFR 226, *Designated Critical Habitat: Critical Habitat for 19 Evolutionarily Significant Units of Salmon and Steelhead in Washington, Oregon, Idaho, and California.* 65 FR 7764.

Feist, Blake E. 1991. Potential Impacts of Pile Driving on Juvenile Pink (*Oncorhynchus gorbuscha*) and Chum (*O. keta*) Salmon Behavior and Distribution.

Fish Passage Center (FPC). 1993. Fish Passage Center 1992 Annual Report. Fish Passage Center of Columbia Basin Fish and Wildlife Authority.

Fish Passage Center (FPC). 1995. Fish Passage Center 1994 Annual Report. Fish Passage Center of Columbia Basin Fish and Wildlife Authority.

Fish Passage Center (FPC). 1997. Fish Passage Center 1996 Annual Report. Fish Passage Center of Columbia Basin Fish and Wildlife Authority.

Fisheries and Oceans, Canada. 2000. "Fisheries and Oceans, Canada - Pacific Region. <http://www.pac.dfo-mpo.gc.ca/>

Fisk, T.A., E. Gerstung, and J. Thomas. 1966. "Stream damage surveys-1966". California Dep. Fish Game, Sacramento. Inland Fish. Div., Admin. Rep. 66-10, 15 p.

Fonseca, M.S., W.J. Kenworthy, and G.W. Thayer. 1998. "Guidelines for the Conservation and Restoration of Seagrasses in the United States and Adjacent Waters". NOAA Coastal Ocean Program Decision Analysis Series No. 12. NOAA Coastal Ocean Office, Silver Springs, MD. 222 pp.

Forest Ecosystem Management Assessment Team (FEMAT). 1993. "A Federal Agency guide for pilot watershed analysis". Vers.1.2. Interagency Working Group. U.S. Dep. of Agriculture, For. Serv., Portland, OR.

Foster Wheeler Environmental Corporation. 1995. "Meeting summary--Cedar River watershed bull trout workshop (November 18, 1994)." Bellevue, Washington.

Fox, D., S Bell, W. Nehlsen, and J Damron. 1984. The Columbia River Estuary: Atlas of Physical and Biological Characteristics. Astoria, Oregon. CREDDP.

Fraley, J.J., and B.B. Shepard. 1989. "Life history, ecology and population status of migratory bull trout (*Salvelinus confluentus*) in Flathead Lake and River system, Montana." *Northwest Science*. 63:133-143.

Furniss, M.J., T.D. Roelofs, and C.S. Yee. 1991. "Road construction and maintenance" .American Fisheries Society Special Publication. 19: 297-323.

Fuss, H.J. 1982. "Age, growth and instream movement of Olympic Peninsula coastal cutthroat trout (*Salmo clarki clarki*)". M.S. Thesis, Univ. Washington, Seattle, 128 p.

Fuss, H.J. and C. Ashbrook. 1995. Hatchery operation plans and performance summaries. Volume 1(2). Puget Sound. Annual Report. Washington Department of Fish and Wildlife, Assessment and Development Division, Olympia.

Garrett, A.M. 1998. "Interstream movements of coastal cutthroat trout (*Oncorhynchus clarki clarki*) in the Clearwater River, Jefferson County, Washington". M.E.S. Thesis, The Evergreen State College, Olympia, WA, 212 p.

Gerstung, E.R. 1997. "Status of coastal cutthroat trout in California". In J.D. Hall, P.A. Bisson and R.E. Gresswell (eds.), *Sea-run cutthroat trout: biology, management, and future conservation*, p. 43-56. Am. Fish. Soc., Corvallis.

Giger, R.D. 1972. "Ecology and management of coastal cutthroat trout in Oregon". Oregon State Game Comm., Corvallis. Fish. Res. Rep. No. 6, 61 p.

Glova, G.J. 1978. "Pattern and mechanism of resource partitioning between stream populations of juvenile coho salmon (*Oncorhynchus kisutch*) and coastal cutthroat trout (*Oncorhynchus clarki clarki*)". Ph.D. Dissertation, Univ. B.C., 185 p.

Glova, G.J. 1984. "Management implications of the distribution and diet of sympatric populations of juvenile coho salmon and coastal cutthroat trout in small streams in British Columbia, Canada". *Prog. Fish Cult.* 46:269-277.

Glova, G.J., and J.C. Mason. 1976. "Interactive ecology of juvenile salmon and trout in streams". Fish. Res. Board Can., Pacific Biological Station, Nanaimo, B.C. Manuscr. Rep. Ser. 1391, 24 p.

Glova, G.J., and J.C. Mason. 1977. "Interactions for food and space between sympatric populations of underyearling coho salmon and coastal cutthroat trout in a stream simulator during spring". Fish. Res. Board Can., Nanaimo, B.C. Manuscr. Rep. Ser. 1428, 36 p.

Goetz, F. 1989. "Biology of the bull trout, *Salvelinus confluentus*, a literature review." Willamette National Forest, Eugene, OR.

Gowan, C., M.K. Young, K.D. Fausch, and S.C. Riley. 1994. "Restricted movement in resident stream salmonids: a paradigm lost"? *Can. J. Fish. Aquat. Sci.* 51:2626-2637.

Gregory, R.S. and C.D. Levings. 1996. "The effects of turbidity and vegetation on the risk of juvenile salmonids, *Oncorhynchus* spp., to predation by adult cutthroat trout, *O. clarkii*." *Environmental Biology of Fishes* 47:279-288.

Gregory, S.V., and P.A. Bisson. 1997. "Degradation and loss of anadromous salmonid habitat in the Pacific Northwest". In D.J. Stouder, P.A. Bisson and R.J. Naiman (eds.), *Pacific salmon and their ecosystems: status and future options*, p. 277-314. Chapman and Hall, New York.

Gregory, S.V, F.J. Swanson, and W.A. McKee. 1991. "An ecosystem perspective of riparian zones". *Bioscience* 40:540-551.

Grette, G. B., and Salo, E.O. 1986. "The status of anadromous fishes of the Green/Duwamish River system. Final Report. Evans-Hamilton, Inc. Seattle, Washington. 213 pp.

Griswold, K.E. 1996. "Genetic and meristic relationships of coastal cutthroat trout (*Oncorhynchus clarki clarki*) residing above and below barriers in two coastal basins". M.S. Thesis, Oregon State Univ., Corvallis, OR, 83 p.

Gross, M.R. 1987. "Evolution of diadromy in fishes". In M.J. Dadswell, R.J. Klauda, C.M. Moffitt, R.L. Saunders, R.A. Rulifson, and J.E. Cooper (eds.), *Am. Fish. Soc. Symp.* 1, p. 14-25, Boston. 220

Gustafson, R.G., T.C. Wainwright, G.A. Winans, F.W. Waknitz, L.T. Parker, and R.S. Waples. 1997. Status review of sockeye salmon from Washington and Oregon. U.S. Dept. Commer., NOAA Tech. Memo NMFS-NMFSC-33, 283 p.

Haas, G.R., and J.D. McPhail. 1991. *Systematics and distributions of Dolly Varden (Salvelinus malma) and bull trout (Salvelinus confluentus) in North America*. *Canadian Journal of Fisheries and Aquatic Sciences* 48:2191-2211.

Hale, S.S. 1981. "Freshwater habitat relationships: Chum salmon (*Oncorhynchus keta*)." Internal Report, Habitat Protection Section, Resource Assessment Branch, Alaska Department of Fish and Game, Anchorage, AK.

Hall, J.D., P.A. Bisson, and R.E. Gresswell (eds.). 1997. "Sea-run cutthroat trout: biology, management, and future conservation". *Am. Fish. Soc.*, Corvallis, 183 p.

Hall, J.D., M.L. Murphy, and R.S. Aho. 1978. "An improved design for assessing impacts of watershed practices on small streams". *Int. Ver. Theor. Angew. Limno. Verh.* 20:1359-1365.

Harcup, M.F., R. Williams, and D.M. Ellis. 1984. "Movements of brown trout, *Salmo trutta* L., in the River Gwyddon, South Wales". *J. Fish Biol.* 24:415-426.

Hartman, G.F., and T.G. Brown. 1987. "Use of small, temporary, floodplain tributaries by juvenile salmonids in a west coast rain-forest drainage basin, Carnation Creek, British Columbia". *Can. J. Fish. Aquat. Sci.* 44:262-270.

Hartman, G.F., and C.A. Gill. 1968. "Distribution of juvenile steelhead and cutthroat trout (*Salmo gairdneri* and *S. clarki clarki*) within streams in southwestern British Columbia". *J. Fish. Res. Board Can.* 25(1):33-48.

Hartman, G.F., and J.C. Scrivener. 1990. "Impacts of forestry practices on a coastal stream ecosystem, Carnation Creek, British Columbia". Can. Bull. Fish. Aquat. Sci. 223:148.

Healey, M.C. 1982. "Juvenile Pacific Salmon in Estuaries: The Life Support System" pp. 315-341, in V.S. Kennedy, editor. Estuarine Comparisons. Academic Press, New York.

Healey, M.C. 1991. "The life history of chinook salmon (*Oncorhynchus tshawytscha*)" pp. 311-393. In C. Groot and L. Margolis (eds.) Life History of Pacific Salmon. University of British Columbia Press, Vancouver, B.C.

Heggenes, J., T.G. Northcote, and A. Peter. 1991. "Spatial stability of cutthroat trout (*Oncorhynchus clarki*) in a small, coastal stream". Can. J. Fish. Aquat. Sci. 48:757-762. Hillis, D.M., C. Moritz, and B.K. Mable (eds.). 1996. Molecular Systematics. Second edition. Sinauer Assoc., Sunderland, MA, 588 p. 222

Hindar, K., B. Jonsson, N. Ryman, and G. Ståhl. 1991. "Genetic relationships among landlocked, resident, and anadromous brown trout, *Salmo trutta* L". Heredity 66:83-91.

Hisata, J.S. 1971. "An evaluation of stocking hatchery reared sea-run cutthroat trout, (*Salmo clarki clarki*) in some tributary streams of Hood Canal". Wash. Dep. of Game. Job Prog. Rep. AFS 44-1, May, 1970 to June, 1971. (Available from WDFW, 600 Capitol Way N., Olympia, WA 98501-1091.)

Hisata, J.S. 1973. "An evaluation of stocking semi-natural pond reared sea-run cutthroat trout in streams of Hood Canal, Washington State". Wash. State Dep. Game. Job Completion Rep. AFS 44-1,2, Olympia, WA, 38 p. (Available from WDFW, 600 Capitol Way N., Olympia, WA 98501-1091.)

Hoelscher, B., and T.C. Bjorn. 1989. "Habitat, density and potential production of trout and char in Pend Oreille Lake tributaries". Project F-71-R-10, Subproject III, Job No. 8. Idaho Department of Fish and Game, Boise, ID.

Hooton, R. 1997. "Status of coastal cutthroat trout in Oregon". In J.D. Hall, P.A. Bisson and R.E. Gresswell (eds.), Sea-run cutthroat trout: biology, management, and future conservation, p. 57-67. Am. Fish. Soc., Corvallis.

Hornung, M.W., J.M. Spitsbergen and R.E. Peterson. 1998. "2,3,7,8-Tetrachlorodibenzo-*p*-dioxin alters cardiovascular and craniofacial development and function in sac fry of rainbow trout (*Oncorhynchus mykiss*)," Toxicol. Sci.

Howell, P., K. Jones, D. Scarnecchia, L. LaVoy, W. Knedra, and D. Orrmann. 1985. "Stock Assessment of Columbia River Anadromous Salmonids." Vol. I.,

U.S. Department of Energy, Bonneville Power Administration, Project No. 83-335.

Howell, P.J. and D.V. Buchanan, editors. 1992. Proceedings of the Gearhart Mountain bull trout workshop. Oregon Chapter of the American Fisheries Society, Corvallis, OR.

Jackober, M.J. 1995. "Influence of stream size and morphology on the seasonal distribution and habitat of resident bull trout and westslope cutthroat in Montana". M.S. Thesis, Montana State University, Bozeman, Montana.

Johnson, O.W. , W.S. Grant, R.G. Kope, K. Neely, F.W. Waknitz, and R.S. Waples. 1997. Status review of chum salmon from Washington, Oregon, and California. U.S. Dept. Commer., NOAA Tech. Memo NMFS-NMFSC-32,280 p.

Johnson, O.W., M.H. Ruckelshaus, W. S. Grant, F. W. Waknitz, A.M. Garrett, G.J. Bryant, K. Neely, and J.J. Hard. 1999. Status review of coastal cutthroat trout from Washington, Oregon and California. U.S. Dept. Commer., NOAA Tech. Memo NMFS-NMFS-37, 292 p.

Johnston, J.M. 1982. "Life histories of anadromous cutthroat with emphasis on migratory behavior". *In* E.L. Brannon and E.O. Salo (eds.), *Proceedings of the salmon and trout migratory behavior symposium*, p. 123-127. Univ. Washington, Seattle.

Johnston, J.M., and S.P. Mercer. 1976. "Sea-run cutthroat in saltwater pens — broodstock development and extended juvenile rearing (with life history compendium)". Wash. Dep. Game. Fish. Res. Rep., Project AFS-57-1, Olympia, WA, 92 p.

Jones and Stokes, Inc. 2000. "Draft Programmatic Biological Assessment—chinook and coho salmon, Green/Duwamish River Basin Restoration Program. Prepared for U.S. Army Corps of Engineers and King County Department of Development and Environmental Services.

Jones, J.D., and C.L. Siefert. 1997. "Distribution of mature sea-run cutthroat trout overwintering in Auke Lake and Lake Eva in southeastern Alaska". *In* J.D. Hall, P.A. Bisson and R.E. Gresswell (eds.), *Sea-run cutthroat trout: biology, management, and future conservation*, p. 27-28. Am. Fish. Soc., Corvallis.

Jonsson, B. 1985. "Life history patterns of freshwater resident and sea-run migrant brown trout in Norway". *Trans. Am. Fish. Soc.* 114:182-194.

Jonsson, B., and N. Jonsson. 1993. "Partial migration: niche shift versus sexual maturation in fishes". *Rev. Fish Biol. Fish.* 3:348-365.

- Jonsson, B., K. Hindar, and T.G. Northcote. 1984. "Optimal age at sexual maturity of sympatric and experimentally allopatric cutthroat trout and Dolly Varden char". *Oecologia* 61:319-325.
- June, J.A. 1981. "Life history and habitat utilization of cutthroat trout (*Salmo clarki*) in a headwater stream on the Olympic Peninsula, Washington". M.S. Thesis, Univ. Washington, Seattle, 112 p.
- Kaeriyama, M., S. Urawa, and T. Suzuki. 1992. "Anadromous sockeye salmon (*Oncorhynchus nerka*) derived from nonanadromous kokanees: Life history in Lake Toro". *Sci. Rep. Hokkaido Salmon Hatchery* 46:157-174. 225
- Kellogg, E. (ed.). 1992. "Coastal temperate rain forests: Ecological characteristics, status and distribution worldwide". Ecotrust and Conservation International, Portland, OR and Wash. D.C.
- Knudsen, P. and Ward. 1992. *In Federal Register*. 1998a. 50 CFR 222, 226, and 227, *Endangered and Threatened Species; Proposed Endangered Status for Two Chinook Salmon ESUs and Proposed Threatened Status for Five Chinook Salmon ESUs; Proposed Redefinition, Threatened Status, and Revision of Critical Habitat for One Chinook Salmon ESU; Proposed Designation of Chinook Salmon Critical Habitat in California, Oregon, Washington, Idaho*. 63 FR 11482.
- Knutzen, J. 1997. "Evaluation of fish entrainment potential from the Chester Morse Lake/Masonry Pool system." Prepared by Foster Wheeler Environmental Corporation, Bellevue, Washington for Seattle City Light.
- Kostow, K. 1995. "Biennial Report on the Status of Wild Fish in Oregon." Oregon Department of Fish and Wildlife Report, Portland, OR.
- Kozloff, Eugene N. 1993. Seashore life of the northern Pacific coast: an illustrated guide to northern California, Oregon, Washington, and British Columbia. University of Washington Press.
- Kreissman, B. 1991. *California, an environmental atlas and guide*. Bear Klaw Press, Davis, CA.
- Lavier, D. 1963. The sea-run cutthroat. *Wash. Game Dep. Bull* 15(3):4.
- Leary, R. F., F.W. Allendorf & S. H. Forbes. 1993. Conservation genetics of bull trout in the Columbia and Klamath river drainages, University of Montana, Division of Biological Sciences, Missoula, Montana.
- Lee, D.C., J.R. Sedell, B.E. Rieman, R.F. Thurow, J.E. Williams *et al.*. 1997. "Chapter 4: Broadscale Assessment of Aquatic Species and Habitats." In T.M. Quigley and S. J. Arbelbide (eds) An Assessment of Ecosystem Components in

the Interior Columbia Basin and Portions of the Klamath and Great Basins
Volume III. U.S. Department of Agriculture, Forest Service, and U.S. Department
of Interior, Bureau of Land Management, Gen Tech Rep PNW-GTR-405).

Levy , D.A. and T.G. Northcote. 1982. "Juvenile salmon residency in a marsh
area of the Fraser River estuary", *Canadian Journal of Fisheries and Aquatic
Sciences* 39: 270-276.

Loch, J.J., and D.R. Miller. 1988. "Distribution and diet of sea-run cutthroat trout
captured in and adjacent to the Columbia River plume", May-July 1980.
Northwest Sci. 62(1):41-48.

Loomis, D., and R. Anglin. 1992. "North Umpqua river management plan:
Progress Rep. 1991-1992". Oregon Dep. Fish Wildl., Portland, OR, 29 p.

Loomis, D., R. Anglin, and D. Harris. 1993. "Fish management review". Oreg.
Dep. Fish Wildl., Portland, OR, 100 p.

Lowry, G.R. 1965. "Movement of cutthroat trout (*Salmo clarki clarki* Richardson)
in three Oregon coastal streams". *Trans. Am. Fish. Soc.* 94(4):334-338.

Lowry, G.R. 1966. "Production and food of cutthroat trout in three Oregon
coastal streams". *J. Wildl. Manage.* 30(4):754-766.

Macdonald, J.S., I.K. Birtwell, and G.M. Kruzynski. 1987. "Food and habitat
utilization by juvenile salmonids in the Campbell River estuary." *Canadian
Journal of Fisheries and Aquatic Sciences* 44:1233-1246.

Macdonald, K.B., D. Simpson, B. Paulson, J. Coz and J.Gendron. 1993.
Shoreline Armoring Effects on Physical Coastal Processes in Puget Sound.
Preliminary report prepared by CH2M Hill for Washington State Department of
Ecology, Olympia, WA.

Marshall, A.R., C. Smith, R. Brix, W. Dammers, J. Hymer, and L. LaVoy. 1995.
"Genetic Diversity Units and Major Ancestral Lineages for Chinook Salmon in
Washington." pp. 111-173. In C. Busack and J.B. Shaklee (eds.) Genetic
Diversity Units and Major Ancestral Lineages of Salmonid Fishes in Washington.
Washington Department of Fish and Wildlife Technical Report, RAD 95-02.

MBTSG (Montana Bull Trout Scientific Group). 1998. "The relationship between
land management activities and habitat requirements of bull trout". Report
prepared for the Montana Bull Trout Restoration Team, Helena, Montana.

McHenry, M.L. 1996. "Freshwater habitat condition affecting Strait of Juan de
Fuca populations of coho salmon (*Oncorhynchus kisutch*)". Lower Elwha Klallam
Tribe. Port Angeles, Washington, 46 p.

McPhail, J.D. and Lindsey. 1986. "Watershed urbanization and the decline of salmon in Puget Sound streams". American Public Works Association, Washington Chapter, Washington State University.

Meehan, William R. (editor), 1991. Influences of Forest and Rangeland Management on Salmonid Fishes and their Habitats. American Fisheries Society Special Publication 19., Bethesda, MD.

Meyers, J. M., R.G. Kope, G.J. Bryant, D. Teel, L.J. Lierheimer, T.C. Wainwright, W. S. Grant, F.W. Waknitz, K. Neely, S. T. Lindley, and R.S. Waples. 1998. "Status review of chinook salmon from Washington, Idaho, Oregon, and California". U.S. Dept. Commerce, NOAA Tech. Memo. NMFS-NWFSC-35, 443 pp.

Michael, H. 1980. "Sea-run cutthroat trout". In J.J. DeShazo (ed.), Sea-run cutthroat status report. Rep. 80-14, p. 187-190. Wash. State Game Dep., Fish. Manage. Div., Olympia, WA.

Miyamota, Sr., J., T. Deming, and D. Thayer. 1980. "Estuarine residency and habitat utilization by juvenile anadromous salmonids within Commencement Bay, Tacoma, Washington". Puyallup Tribal Fisheries Division, Fisheries Management Division, Technical Report No. 80-1, Puyallup, Washington.

Moore, K.M.S., and S.V. Gregory. 1988. "Summer Habitat Utilization and Ecology of Cutthroat (*Salmo clarki*) in Cascade Mountain Streams". Can. J. Fish. Aquat. Sci. 45:1921-1930.

Mongillo, P. 1993. "The distribution and status of bull trout/Dolly Varden in Washington State". pp. 45, Washington Department of Wildlife Fisheries Management Division, Olympia, Washington.

Morill, D. 1995. Lower Elwha S'Klallam Indian Tribe, unpublished data.

Moring, J.R., and R.L. Lantz. 1975. "The Alsea watershed study: Effects of logging on the aquatic resources of three headwater streams of the Alsea River, Oregon". Oregon Dep. Fish Wildl., Corvallis, OR. Fish. Res. Rep. Number 9, Project AFS-58, Final Rep., 66 p.

Moring, J.R., R.L. Youker, and R.M. Hooton. 1986. "Movements of potamodromous coastal cutthroat trout, *Salmo clarki clarki*, inferred from tagging and scale analysis". Fish. Res. 4 :343-354.

Muckleshoot Indian Tribe, Puyallup Tribe of Indians, and Washington Department of Fish and Wildlife. 1996. "Recovery plan for White River spring chinook salmon". Washington Department of Fish and Wildlife, Olympia.

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.

Murphy, M.L. 1995. "Forestry impacts on freshwater habitat of anadromous salmonids in the Pacific Northwest and Alaska-Requirements for protection and restoration". U.S. Dep. of Commerce, Coastal Ocean Program, Decision Analysis Series No. 7, 156 p.

Murphy, M.L., and J.D. Hall. 1981. "Vaired [sic] effects of clear-cut logging on predators and their habitat in small streams of the Cascade Mountains, Oregon". Can. J. Fish. Aquat. Sci. 38:137-145.

Murphy, M.L., and W.R. Meehan. 1991. "Stream Ecosystems". *In* W.R. Meehan (ed.), Influence of forest and rangeland management on salmonid fishes and their habitats, p. 17-46. Am. Fish. Soc. Spec. Publ. 19, Bethesda. 230

Myers, G.S. 1949. "Usage of anadromous, catadromous and allied terms for migratory fishes". Copeia 2:89-97.

Myers, J.M, R.G. Kope, G.J. Bryant, D.Teel, L.J. Lierheimer, T.C. Wainwright, W.S. Grand, F.W. Waknitz, K. Neely, S.T. Lindley, and R.S. Waples. 1998. Status review of chinook salmon from Washington, Idaho, Oregon, and California. U.S. Dept. Commer., NOAA Tech. Memo NMFS-NMFSC-35, 443 p.

National Marine Fisheries Service (NMFS). 1996."Factors for decline: A supplement to the notice of determination for west coast steelhead under the endangered Species Act". Protected Species Branch, NMFS, 525 NE Oregon St., Suite 500, Portland, OR 97232. 83 p.

National Marine Fisheries Service (NMFS). 1998. Position Document for the Use of Treated Wood in Areas within Oregon Occupied by Endangered Species Act Proposed and Listed Anadromous Fish Species.

National Marine Fisheries Service (NMFS). 1998. "Draft Proposed Recommendations for Amendment 14 to the Pacific Coast Salmon Plan for Essential Fish Habitat".

National Marine Fisheries Service (NMFS). 1999. "Biological Opinion: Columbia River Navigation Channel Operation and Maintenance Program".

National Research Council Committee on Protection and Management of Pacific Northwest Anadromous Salmonids (NRCC). 1996. "Upstream: salmon and society in the Pacific Northwest". National Academy Press, Washington, D.C., 452 p.

- Nehlsen, W., J.E. Williams, and J.A. Lichatowich. 1991. "Pacific salmon at the crossroads: stocks at risk from California, Oregon, Idaho, and Washington". *Fisheries* 16(2):4-21.
- Nicholas, J.W. 1978a. "Life history differences between sympatric populations of rainbow and cutthroat trouts in relation to fisheries management strategy". *In* J.R. Moring (ed.), *Proceedings of the Wild Trout-Catchable Trout Symposium*, p. 181-188. *Oreg. Dep. Fish Wildl.*, Portland.
- Nordeng, H. 1983. "Solution to the "char problem" based on Arctic char (*Salvelinus alpinus*) in Norway". *Can. J. Fish. Aquat. Sci.* 40:1372-1387.
- Norse, E.A. 1990. "Ancient forests of the Pacific Northwest". *The Wilderness Society and Inland Press*, Wash. D.C.
- Northcote, T.G. 1992. "Migration and residency in stream salmonids - some ecological considerations and evolutionary consequences". *Nordic J. Freshw. Res.* 67:5-17.
- Northcote, T.G. 1997. "Why sea-run? An exploration into the migratory/residency spectrum of coastal cutthroat trout". *In* J.D. Hall, P.A. Bisson and R.E. Gresswell (eds.), *Sea-run cutthroat trout: biology, management, and future conservation*, p. 20-26. *Am. Fish. Soc.*, Corvallis.
- Northwest Indian Fisheries Commission (NWIFC). 1997. Documents submitted to the ESA Administrative Record for West Coast Chinook Salmon by J. Anderson, 7February 1997, 1 p.
- Northwest Power Planning Council (NPPC). 1996. 1996 Annual Report. Portland, Oregon.
- Oliver, G. 1979. "A final report on the present fisheries use of the Wigwam River with an emphasis on the migratory life history and spawning behavior of Dolly Varden char, *Salvelinus malma* (Walbaum)". *Fisheries investigations in tributaries of the Canadian portion of Libby Reservoirs*. *British Columbia Fish and Wildlife Branch*, Victoria, British Columbia.
- Olsen, E., P. Pierce, M. McLean, and K. Hatch. 1992. "Stock Summary Reports for Columbia River Anadromous Salmonids" Volume 1. Oregon. U.S. Department of Energy, Bonneville Power Administration. Project No. 88-108.
- Oregon Department of Fish and Wildlife (ODFW). 1993a. Letter to ESA Administrative Record for North and South Umpqua River sea-run cutthroat trout, September 17, 1993, Enclosure 28, north Umpqua sea-run cutthroat 1991 progress report for compliance with wild fish management policy (workshop

notes). (Available from Environmental and Technical Services Division, NMFS, 911 NE 11th Ave., Room 620, Portland OR 97232.)

Pacific International Engineering and Pentec Environmental, Inc. for U. S. Army Corps of Engineers, Seattle District. 1999a. "Biological Evaluation: East Waterway Channel Deepening, Stage I, Seattle Harbor, Washington".

Pacific International Engineering. 1999b. Puyallup Tribe of Indians Beach Seine Data Summary, 1980-1995. Prepared for Port of Tacoma and Puyallup Tribe of Indians.

Pacific Salmon Commission (PSC). 1994. Pacific Salmon Commission Joint Chinook Technical Committee 1993 Annual Report. (94)-1, 121p.+app.

Pacific Salmon Commission (PSC). 1996. Pacific Salmon Commission Joint Chinook Technical Committee 1994 Annual Report. (96)-1, 65p.+app.

Paige, D., Seattle Water Department (SWD) unpublished data 1997. "Redd count and juvenile 'migrant trapping data for the upper Cedar River Watershed." November 7, 1997.

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". Wash. Forest Protection Assoc. and Wash. Dep. of Natural Resources, Olympia, WA. January 1993, 371 p.

Pauley, G.B., K. Oshima, K.L. Bowers, and G.L. Thomas. 1989. "Species profiles: Life histories and environmental requirements of coastal fishes and invertebrates (Pacific Northwest) sea-run cutthroat trout". U.S. Fish. Wildl. Serv. Biol. Rep. 82(11.86). U.S. Army Corps of Engineers, TR EL-82-4. 21 p.

Pearce, T.A., J.H. Meyer, and R.S. Boomer, 1982. "Distribution and food habitats of juvenile salmon in the Nisqually Estuary, Washington 1979-1980." U.S. Fish and Wildlife Service, Fisheries Assistance Office, Olympia, WA.

Pearcy, W.G. 1997. "The sea-run and the sea". In J.D. Hall, P.A. Bisson and R.E. Gresswell (eds.), *Sea-run cutthroat trout: biology, management, and future conservation*, p. 29-36. Am. Fish. Soc., Corvallis.

Pearcy, W.G., R.D. Brodeur, and J.P. Fisher. 1990. "Distribution and biology of juvenile cutthroat trout *Oncorhynchus clarki clarki* and steelhead *O. mykiss* in coastal waters off Washington and Oregon". Fish. Bull., U.S. 88(4):697-711.

Peterson, C.J., D.B. Jepsen, R.D. Nelle, R.S. Shively, R.A. Tabor, and T.P. Poe. 1990. System-Wide Significance of Predation on Juvenile Salmonids in Columbia and Snake River Reservoirs. Annual Report of Research. Bonneville

Power Administration Contract DE-AI179-90BP07096. Project No. 90-078. 53 pp.

Phinney, Lloyd A., and Patrick Bucknell. 1975. "A Catalog of Washington Streams and Salmon Utilization, Volume 2: Coastal Region", R. Walter Williams, editor, Olympia: Washington Department of Fisheries.

Poe, T.P., H.C. Hansel, S. Vigg, D.E. Palmer, and L.A. Prendergast. 1991. "Feeding of Predaceous Fishes on Out-Migrating Juvenile Salmonids in John Day Reservoir, Columbia River." *Transactions of the American Fisheries Society*, 120: 405-420.

Port of Tacoma and Puyallup Indian Tribe. 1998. "Commencement Bay Juvenile Salmonid Sampling, 1980-1995". Data compilation prepared by Pacific International Engineering for the Port of Tacoma.

Pratt, K.P. 1984. "Habitat use and species interactions of juvenile cutthroat (*Salmo clarki lewisi*) and bull trout (*Salvelinus confluentus*) in upper Flathead River Basin." Master Thesis. University of Idaho, Moscow.

Pratt, K.L. 1992. "A review of bull trout life history". Pages 5-9 in Howell, P.J. and D. V. Buchanan, editors. Proceedings of the Gearhart Mountain bull trout workshop. Oregon Chapter of the American Fisheries Society, Corvallis, OR.

Pratt, K.L., and J.E. Huston. 1993. "Status of bull trout (*Salvelinus confluentus*) in Lake Pend Oreille and the lower Clark Fork River: Draft". The Washington Power Company, Spokane, Washington.

Puget Sound Salmon Stock Review Group (PSSSRG). 1997. An Assessment of the Status of Puget Sound Chinook and Strait of Juan de Fuca Coho Stocks as Required Under the Salmon Fishery Management Plan. Pacific Fishery Management Council Review Draft, 78 p.

Puyallup Tribe, personal communication. Multiple contacts with Puyallup Tribal staff including Russ Ladley and Blake Smith, Summer 1998.

Quigley, T. M. and S.J. Arbelbide (ed.). 1997. "An assessment of ecosystem components in interior Columbia Basin and portions of the Klamath and Great Basins: Volume III". USDA Forest Service, Pacific Northwest Research Station, Portland Oregon.

R2 Resource Consultants, Inc. 1993. "Upper Cedar River watershed fisheries study: Bull trout interim status report." A report prepared for the Seattle Water Department, Redmond, Washington.

Ratliff, D.E. and P.J. Howell, 1992. "The status of bull trout populations in Oregon." pp. 37-44. In P. J. Howell and D.V. Buchanan (eds) Proceedings of the Gearhart Mountain bull trout workshop. Oregon Chapter of American Fisheries Society, Corvallis, OR.

Redwood National Park. 1983, 1988-1993. Unpubl. data. "Weekly beach seining operations in Redwood Creek Estuary, CA". U.S. Dep. of the Interior, Calif. Dep. Parks. Rec., Redwood National and State Parks, 219 Hilton Rd., Orick CA 95555.

Redwood National Park. 1997, 1998. Unpubl. data. "Weekly screw trap surveys for anadromous salmonids in Prairie Creek, CA". U.S. Dep. of the Interior, Calif. Dep. Parks. Rec., Redwood National and State Parks, 219 Hilton Rd., Orick CA 95555.

Reeves, G.H., F.H. Everest, and J.R. Sedell. 1993. "Diversity of juvenile anadromous salmonid assemblages in coastal Oregon basins with different levels of timber harvest". *Trans. Am. Fish. Soc.* 122:309-317.

Reeves, G.H., J.D. Hall, and S.V. Gregory. 1997. "The impact of land-management activities on coastal cutthroat trout and their freshwater habitats". In J.D. Hall, P.A. Bisson and R.E. Gresswell (eds.), *Sea-run cutthroat trout: biology, management, and future conservation*, p. 138-144. *Am. Fish. Soc.*, Corvallis. 236 pp.

Reiman, B.E., and J.R. Lukens. 1979. "Lake and reservoir investigations: Priest Lake creel census". Job Completion Report. Project F-73-R-1. Idaho Department of Fish and Game, Boise, ID.

Rieman, B.E. R.C. Beamesderfer, S. Vigg, and T.P. Poe. 1991. "Estimated Loss of Juvenile Salmonids to Predation by Northern Squawfish, Walleyes, and Small mouth Bass in John Day Reservoir, Columbia River." *Transactions of the American Fisheries Society*, 120: 448-458.

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.

Reiman, B.E. & J.D. McIntyre. 1995. "Occurrence of bull trout in naturally fragmented habitat patches of varied size". *Transactions of the American Fisheries Society* 124: 285-296.

Reimers, P.E. and R.E. Loeffel. 1967. "The length of residence of juvenile fall chinook salmon in selected Columbia River tributaries." *Fish Comm. Oregon*. Vol 13:5-19.

- Rich, C.F. Jr. 1996. "Influence of abiotic and biotic factors on occurrence of resident bull trout in fragmented habitats western Montana". Master's thesis. Montana State University. Bozeman.
- Roff, D.A. 1992. "The evolution of life histories". Theory and analysis. Chapman & Hall, New York, 535 p.
- Salo, E.O. 1991. "Life history of chum salmon, *Oncorhynchus keta*" p. 231-309. In Groot, C., and L. Margolis, editors. Pacific Salmon Life Histories, University of British Columbia, Vancouver, B.C., Canada.
- Salo, E.O., and T.H. Jagielo. 1983. "The status of the anadromous fishes of the White-Puyallup river system". Report submitted to the Seattle District, U.S. Army Corps of Engineers, 200 pp.
- Schill, D.J. 1992. "River and stream investigations: wild trout investigation". Idaho Department of Fish and Game, Sport Fish Restoration, Job Performance Report Project F-73-R-13.
- Schmitt, et al. 1995. *In Federal Register*. 1998a. 50 CFR 222, 226, and 227, *Endangered and Threatened Species; Proposed Endangered Status for Two Chinook Salmon ESUs and Proposed Threatened Status for Five Chinook Salmon ESUs; Proposed Redefinition, Threatened Status, and Revision of Critical Habitat for One Chinook Salmon ESU; Proposed Designation of Chinook Salmon Critical Habitat in California, Oregon, Washington, Idaho*. 63 FR 11482.
- Schreffler, D.K., C.A. Simenstad, and R.M. Thom. 1990. "Temporary Residence by Juvenile Salmon in a Restored Estuarine Wetland". *Can. J. Fish. Aquat. Sci.* 47: 2079-2084.
- Scott, J.B., C.R. Steward, and Q.J. Stober. 1986. "Effects of urban development on fish population dynamics in Kelsey Creek, Washington". *Trans. Am. Fish. Soc.* 115:555-567.
- Scott, W.B., and E.J. Crossman. 1973. "Freshwater fishes of Canada". *Bull. Fish. Res. Board Can.* 966 p.
- Seattle Water Department. 1991. "Final report Cedar River instream flow and salmonid habitat utilization study." Prepared by Cascades Environmental Services, for Seattle Water Department.
- Sedell, J.R., and F.H. Everest. 1991. "Historic changes in pool habitat for Columbia River Basin salmon understudy for TES listing". Draft USDA Report. Pacific Northwest Research Station. Corvallis, OR.

Sedell, J.R., and J.L. Froggatt. 1984. "Importance of streamside forests to large rivers: the isolation of the Willamette River, Oregon, U.S.A., from its floodplain by snagging and streamside forest removal". *Int. Ver. Theor. Angew. Limno. Verh.* 22:1828-1834.

Sedell, J.R., and K.J. Luchessa. 1982. "Using the historical record as an aid to salmonid habitat enhancement". *In* N.B. Armantrout (ed.), *Proceedings of a symposium held October 28- 30, 1981*, p. 210-223, The Hague Publishing, Billings, MT, Portland, OR.

Sherwood, C.R., D.A. Jay, R.B. Harvey, P. Hamilton, and C.A. Simenstad. 1990. "Historical changes in the Columbia River estuary". *Progressive Oceanography* 25: 229-352.

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" pp. 343-364 in V.S. Kennedy, editor Estuarine Comparisons. Academic Press, New York.

Simenstad, C.A., L. Small and C. McIntyre. 1990. "Consumption processes and food web structure in the Columbia River estuary". *Progressive Oceanography* 25: 271-298.

Simpson, J. Q. and R. L. White 1982. Fishes of Idaho. University Press of Idaho, Moscow, ID.

Smith C.J. and B. Sele. 1995. Stock assessment. In C.J. Smith and P. Wampler (eds.), *Dungeness River Chinook Salmon Rebuilding Project Progress Report 1992-1993*, p. 4-14.

Smith, R., U.S. Fish and Wildlife Service. Personal Communication with Seattle District Corps, February, 2000.

Stearns, S.C. 1992. "The evolution of life histories". Oxford Univ. Press, Oxford, U.K., 249 p.

Stelle, Will Jr., 3 August 1999. Concurrence letter for Seafair festival, NMFS.

Sumner, F.H. 1953. "Migrations of salmonids in Sand Creek, Oregon". *Trans. Am. Fish. Soc.* 82:139-150.

Sumner, F.H. 1962. "Migration and growth of coastal cutthroat trout in Tillamook County, Oregon". *Trans. Am. Fish. Soc.* 91(1):77-83.

- Sumner, F.H. 1972. "A contribution to the life history of the cutthroat trout in Oregon with emphasis on the coastal subspecies, *Salmo clarki clarki* Richardson". Oregon State Game Comm., Corvallis, OR, 142 p.
- Swanson, F.J., and G.W. Lienkaemper. 1978. "Physical consequences of large organic debris in Pacific Northwest streams". U.S. For. Serv. Gen. Tech. Rep. PNW-69, 12 p. Pacific Northwest Forest and Range Experimental Station, Portland, OR
- Tabor, R.A., R.S. Shively, and T.P. Poe. 1993. "Predation on Juvenile Salmonids by Smallmouth Bass and Northern Squawfish in the Columbia River near Richland, Washington." *North American Journal of Fisheries Management*, 13: 831-838.
- Terich, Thomas, 1987. Living with the Shore of Puget Sound and the Strait of Georgia. Duke University Press.
- Thorpe, J.E. 1987. "Smolting versus residency: developmental conflict in salmonids". In M.J. Dadswell, R.J. Klauda, C.M. Moffitt, R.L. Saunders, R.A. Rulifson, and J.E. Cooper (eds.), *Am. Fish. Soc. Symp.* 1, p. 244-252, Boston.
- Tipping, J.M. 1981. "Cowlitz sea-run cutthroat study 1980-1981". Wash. State Game Dep. Fish. Manage. Div., Rep. 81-12, Olympia, WA.
- Tipping, J.M. 1986. "Effect of release size on return rates of hatchery sea-run cutthroat trout". *Prog. Fish-Cult.* 48(3):195-197.
- Tipping, J.M., and S.G. Springer. 1980. "Cowlitz River sea-run cutthroat creel census and life history study". In *Sea-run cutthroat trout census report*, p. 106-126. Wash. State Game Dep. Rep. 80-14, Olympia.
- Toal, C.W. 1993. "The Effects of Bulkheads on Juvenile Salmonids in Hood Canal." Washington Department of Ecology, Southwest Regional Office, Olympia, Washington (Unpublished manuscript). 9 pp.
- Tomasson, T. 1978. "Age and growth of cutthroat trout, *Salmo clarki clarki* Richardson, in the Rogue River, Oregon". M.S. Thesis, Oregon State Univ., Corvallis, 75 p.
- Trotter, P.C. 1989. "Coastal cutthroat trout: A life history compendium". *Trans. Am. Fish. Soc.* 118:463-473.
- Trotter, P. 1991. "Cutthroat trout". In J. Stolz and J. Schnell (eds.), *Trout. The Wildlife Series*, p. 236-265. Stackpole Books, Harrisburg, PA.

Trotter, P.C. 1997. "Sea-run cutthroat trout: life history profile". *In* J.D. Hall, P.A. Bisson and R.E. Gresswell (eds.), *Sea-run cutthroat trout: biology, management, and future conservation*, p. 7-15. Am. Fish. Soc., Corvallis. 242

U.S. Department of Army, U.S. Department of the Interior & U.S. Department of Energy. 1995. "The Columbia River System Operation Review Final Environmental Impact Statement".

U.S. Department of Army, Corps of Engineers. 1995b. "Howard Hansen Dam: Draft Environmental Impact Statement for Operation and Maintenance". Seattle District, Seattle, Washington.

U.S. Department of the Interior, USFWS. 1998. "The Importance of Estuarine Habitats to Anadromous Salmonids of the Pacific Northwest: A Literature Review".

U.S. Army Corps of Engineers, 1970. "Navigable Waters of the U.S., Seattle District", in NPDR 1145-2-303, Appendix I, 3 July 1970.

U.S. Army Corps of Engineers, 1981a. "Low Cost Shore Protection".

U.S. Army Corps of Engineers, 1981b. "Low Cost Shore Protection: A Guide for Engineers and Contractors".

U.S. Army Corps of Engineers, 1981c. "Low Cost Shore Protection: A Property Owner's Guide".

U.S. Army Corps of Engineers, 1984. "Wetland Plants of the Pacific Northwest."

U.S. Army Corps of Engineers, 1987. "Corps of Engineers Wetlands Delineation Manual".

U.S. Army Corps of Engineers, Seattle District, 1997. "Special Public Notice: Regional Conditions for Nationwide Permits."

U.S. Army Corps of Engineers, Seattle District, 1999. "Biological Evaluation: Placement of Seafair Race Course and Blue Angels Marker Buoys".

U.S. Army Corps of Engineers, U.S. Bureau of Reclamation, Bonneville Power Administration. June 1999. "Federal Columbia River Power System Project Operations. Biological Assessment for effect of FCRPA Operations on Columbia River bull trout and Kootenai River white sturgeon."

U.S. Fish and Wildlife Service, 1988. "Species Profiles: Life Histories and Environmental Requirements of Coastal Fishes and Invertebrates (Pacific

Northwest) Chum Salmon". (Gilbert B. Pauley, Karen L. Bowers, Gary L. Thomas), Biological Report 82(11.81).

U.S. Fish and Wildlife Service (USFWS). 1989. "Species Profiles: Life Histories and Environmental Requirements of Coastal Fishes and Invertebrates (Pacific Northwest) Sea-Run Cutthroat Trout". (Gilbert B. Pauley, Kevin Oshima, Karen L. Bowers, G. L. Thomas), Biological Report 82(11.86).

U.S. Fish and Wildlife Service (USFWS). 1995. Ute Ladies' tresses (*Spiranthes diluvialis*) Agency Review Draft Recovery Plan. Prepared by the Ute Ladies' tresses Recovery Team for Region 6. USFWS. Denver. Colorado.

U.S. Fish and Wildlife Service (USFWS). 1997. Documents submitted to the ESA Administrative Record for West Coast Chinook Salmon by D. Finberg, 26 February 1997, 4 p.

U.S. Fish and Wildlife Service and National Marine Fisheries Service, 1998. Endangered Species Consultation Handbook: Procedures for Conducting Consultation and Conference Activities under Section 7 of the Endangered Species Act.

U.S. Geological Survey. 1996. "Landownership information produced by the Mid-Continent Ecological Service Center Technology Applications Team of the Biological Resources Division of the U.S. Geological Survey (MESOC)" Received by the Fish and Wildlife Service on October 3, 1996.

Varley, J.D., and R.E. Gresswell. 1988. "Status and management of Yellowstone cutthroat trout". In R.E. Gresswell (ed.), Status and management of interior stocks of cutthroat trout, p. 13-24. Am. Fish. Soc. Symp. 4, Bethesda, MD.

Wald, G. 1958. "The significance of vertebrate metamorphosis". Science (NY) 128:1481-1490. 243 Waples, R.S., and D.J. Teel. 1990. Conservation genetics of Pacific salmon. I. Temporal changes in allele frequency. Conserv. Biol. 4:144-156.

Ward, D.L. 1992. Effects of Waterway Development on Anadromous and Resident Fish in Portland Harbor. Port of Portland.

Ward, D.L. and A.A. Nigro. 1992. "Differences in Fish Assemblages Among Habitats Found in the Lower Willamette River, Oregon: Application of and Problems with Multivariate Analysis." *Fisheries Research*, 13: 119-132.

Ward, D.L., A.A. Nigro, R.A. Farr, and C.J. Knutson. 1994. "Influence of Waterway Development on Migrational Characteristics of Juvenile Salmonids in the Lower Willamette River, Oregon." *North American Journal of Fisheries Management*, 14: 362-371.

Warner, E.J. 1997. Personal communication, Muckleshoot Tribe fish biologist.

Warner, E. J. 1996. "Historic changes to littoral Lake Washington: Implications for spawning, and outmigrant salmonids." Muckleshoot Indian Tribe Fisheries Department, Auburn, Washington.

Warner, J.E. and K.R. Solomon. 1990. "Acidity as a factor in leaching of copper, chromium and arsenic from CCA-treated dimension lumber." *Environmental Toxicology and Chemistry*, 9: 1331-1337.

Washington State Administrative Code (WAC), 1997. Chapter 220-110, Hydraulic Code Rules.

Washington State Administrative Code (WAC), 1998. Chapter 173-160, Minimum Standards for Construction and Maintenance of Wells.

Washington State Department of Ecology, 1993a. "Slop Stabilization and Erosion Control Using Vegetation: A Manual of Practices for Coastal Property Owners".

Washington State Department of Ecology, 1993b. "Vegetation Management: A Guide for Puget Sound Bluff Property Owners."

Washington State Department of Ecology, 1994a. "Engineering and Geotechnical Techniques for Shoreline Erosion Management in Puget Sound" Coastal Erosion Management Studies, Volume 4.

Washington State Department of Ecology, 1994b. "Management Options for Unstable Coastal Bluffs in Puget Sound, Washington" Coastal Erosion Management Studies, Volume 8.

Washington State Department of Ecology, 1994c. "Shoreline Armoring Effects on Coastal Ecology and Biological Resources in Puget Sound, Washington" Coastal Erosion Management Studies, Volume 7.

Washington State Department of Ecology, 1995. "Surface Water and Groundwater on Coastal Bluffs: A Guide for Puget Sound Property Owners."

Washington State Department of Ecology, 1997. "1998 proposed list of water quality limited streams in Washington State (Section 303(d) of the Federal Clean Water Act)." Washington Department of Ecology, Water Quality Program, Olympia, WA.

Washington State Department of Fisheries, Washington Department of Wildlife and Western Washington Treaty Indian Tribes, 1993. 1992 Washington State salmon and steelhead stock inventory.

Washington State Department of Fish and Wildlife (WDW). 1992. Endangered and threatened, 1991 status report. 12 pp.

Washington State Department of Fish and Wildlife (WDFW). 1994. "The Draft Wild Salmonid Policy".

Washington Department of Fish and Wildlife (WDFW). 1995. Fish passage program progress performance report for the biennium 1993-1995. Wash. Dep. Fish Wildl., Olympia. (Available from WDFW, 600 Capitol Way N., Olympia, WA 98501-1091.)

Washington State Department of Fish and Wildlife. 1997a. "1997 Washington salmonid stock inventory (SASI): bull trout/Dolly Varden." Olympia, Washington.

Washington State Department of Fish and Wildlife. 1997b. "Washington State Forage Fish Management Plan" <http://www.wa.gov/wdfw/fish/forage/forage.htm>

Washington State Department of Fish and Wildlife (WDFW). 1998. "Washington Salmonid Stock Inventory". Appendix Bull trout and Dolly Varden.

Washington State Department of Fish and Wildlife (WDFW). 1998a. "1998 Washington salmonid stock inventory, coastal cutthroat trout appendix". Wash. Dep. Fish. Wildl., Olympia, WA. 280 p. (Available from WDFW, P.O. Box 43151, Olympia, WA 98504.)

Washington State Department of Fish and Wildlife, 1999a. Sport Fishing Rules: 1999 Fishing in Washington Regulation Pamphlet.

Washington State Department of Fish and Wildlife, 1999b. How to dig Razor Clams Pamphlet. On the World Wide Web: <http://www.wa.gov/wdfw/>.

Watson, G. & T. W. Hilman. 1997. Factors affecting distribution and abundance of bull trout: An investigation at hierarchical scales. North American Journal of Fisheries Management 17: 237-252.

Weitkamp, L.A., T. C. Wainwright, G.J. Bryant, G. B. Milner, D.J. Teel, R.G. Kope, and R.S. Waples. 1995. "Status review of coho salmon from Washington, Oregon, and California". US Dept. Commerce, NOAA Tech. Memo. NMFS-NWFSC-24, 258 pp.

Williams, R. W., R. M. Laramie, and J. J. Ames. 1975. A catalog of Washington streams and salmon populations, Vol. I: Puget Sound Region, Washington. Washington State Department of Fisheries.

Wright, S. 1973. "Resident and anadromous fishes of the Chehalis and Satsop Rivers in the vicinity of Washington Public Power Supply System's proposed nuclear project No. 3". Wash. Dep. Fish. Rep., Olympia. 26 p. (Available from WDFW, 600 Capitol Way N., Olympia, WA 98501-1091.)

Wyatt, B. 1959. "Observations on the movements and reproduction of the Cascade form of cutthroat trout". M.S. Thesis, Oregon State College, Corvallis.

Zimmerman, C.E. 1995. "Population structure of coastal cutthroat trout (*Oncorhynchus clarki clarki*) in the Muck Creek Basin, Washington". M.S. Thesis, Oregon State Univ., Corvallis.