

References

- Arkoosh, M.R., Casillas, E., Clemons, E., McCain, B., and Varanasi, U. 1991. Suppression of immunological memory in juvenile chinook salmon (*Oncorhynchus tshawytscha*) from an urban estuary. *Fish Shellfish Immun.* 1: 261–277. doi:10.1016/S1050-4648(05)80065-8.
- Arkoosh, M.R., Casillas, E., Huffman, P., Clemons, E., Evered, J., Stein, J.E., and Varanasi, U. 1998. Increased susceptibility of juvenile chinook salmon from a contaminated estuary to *Vibrio anguillarum*. *Trans. Am. Fish. Soc.* 127: 360–374. doi:10.1577/1548-8659(1998)127<0360:ISOJCS>2.0.CO;2.
- Arkoosh, M.R., Boylen, D., Dietrich, J., Anulacion, B.F., Ylitalo, G., Bravo, C.F., Johnson, L.L., Loge, F.J., and Collier, T.K. 2010. Disease susceptibility of salmon exposed to polybrominated diphenyl ethers (PBDEs). *Aquat. Toxicol.* 98: 51–59. doi:10.1016/j.aquatox.2010.01.013. PMID:20207027.
- Beamish, R.J., and Mahnken, C. 2001. A critical size and period hypothesis to explain natural regulation of salmon abundance and the linkage to climate and climate change. *Prog. Oceanogr.* 49: 423–437. doi:10.1016/S0079-6611(01)00034-9.
- Beauchamp, D.A., and Duffy, E.J. 2011. Stage-specific growth and survival during early marine life of Puget Sound Chinook salmon in the context of temporal-spatial environmental conditions and trophic interactions [online]. Final Report to the Pacific Salmon Commission. Report WACFWRU-11-01. Available from http://www.coopunits.org/Washington/Research/Tech_Publications/ [accessed 16 September 2013].
- Beckvar, N., Dillon, T.M., and Read, L.B. 2005. Approaches for linking whole-body fish tissue residues of mercury or DDT to biological effects thresholds. *Environ. Toxicol. Chem.* 24: 2094–2105. doi:10.1897/04-284R.1. PMID:16152984.
- Biro, P.A., Morton, A.E., Post, J.R., and Parkinson, E.A. 2004. Over-winter lipid depletion and mortality of age-0 rainbow trout (*Oncorhynchus mykiss*). *Can. J. Fish. Aquat. Sci.* 61(8): 1513–1519. doi:10.1139/f04-083.
- Bortleson, G.C., Chrzastowski, M.J., and Helgeson, A.K. 1980. Historical changes of shoreline and wetland at eleven major deltas in the Puget Sound region, Washington. US Geological Survey, Hydrologic Investigations Atlas HA-617, Denver, Colo.
- Brandenberger, J.M., Louchouart, P., and Crecelius, E.A. 2011. Natural and post-urbanization signatures of hypoxia in two basins of Puget Sound: historical reconstruction of redox sensitive metals and organic matter inputs. *Aquat. Geochem.* 17: 645–670. doi:10.1007/s10498-011-9129-0.
- Bravo, C.F., Curtis, L.R., Myers, M.S., Meador, J.P., Johnson, L.L., Buzitis, J., Collier, T.K., Morrow, J.D., Laetz, C., Loge, F.J., and Arkoosh, M.R. 2011. Biomarker responses and disease susceptibility in juvenile rainbow trout *Oncorhynchus mykiss* fed a high molecular weight PAH mixture. *Environ. Toxicol. Chem.* 30: 704–714. doi:10.1002/etc.439. PMID:21298713.
- Brennan, J.S., Higgins, K.F., Cordell, J.R., and Stamatiou, V.A. 2004. Juvenile salmon: composition, timing, distribution, and diet in marine nearshore waters of central Puget Sound in 2001–2002 [online]. King County Department of Natural Resources and Parks, Seattle, Wash. Available from <http://your.kingcounty.gov/dnrp/library/2004/kcr1658/nearshore-part1.pdf> [accessed on 20 February 2013].
- Brett, J.R. 1995. Energetics. In *Physiological ecology of Pacific salmon*. Edited by C. Groot, L. Margolis, and W.C. Clarke. UBC Press, Vancouver, B.C. pp. 3–68.
- Brodeur, R.D., Myers, K.W., and Helle, J.H. 2003. Research conducted by the United States on the early ocean life history of Pacific salmon. *North Pac. Anadromous Fish Comm. Bull.* 3: 89–131.
- Burrows, R.E. 1969. The influence of fingerling quality on adult salmon survivals. *Trans. Am. Fish. Soc.* 98: 777–784. doi:10.1577/1548-8659(1969)98<777:TIOFQO>2.0.CO;2.
- Carter, J.A., McMichael, G.A., Welch, I.D., Harnish, R.A., and Bellgraph, B.J. 2009. Seasonal juvenile salmonid presence and migratory behavior in the lower Columbia River. PNNL-18246, Pacific Northwest National Laboratory, Richland, Wash.
- Chittenden, C.M., Sura, S., Butterworth, K.G., Cubitt, K.F., Manel-La, N.P., Balfry, S., Økland, F., and McKinley, R.S. 2008. Riverine, estuarine and marine migratory behaviour and physiology of wild and hatchery-reared coho salmon *Oncorhynchus kisutch* (Walbaum) smolts descending the Campbell River, BC, Canada. *J. Fish. Biol.* 72: 614–628. doi:10.1111/j.1095-8649.2007.01729.x.
- Cordell, J.R., Tear, L.M., and Jensen, K. 2001a. Biological monitoring at Duwamish River Coastal America restoration and reference sites: a seven-year retrospective. SAFS-UW-0107, School of Aquatic and Fishery Sciences, University of Washington, Seattle, Wash.
- Cordell, J.R., Stamey, M., Tanner, C.D., and Aitkin, J.K. 2001b. Fish assemblages and juvenile salmon diets at a breached-dike wetland site, Spencer Island, Washington 1999. SAFS-UW-0104, University of Washington, Seattle, Wash.
- Cordell, J.R., Toft, J.D., Gray, A., Ruggerone, G.T., and Cooksey, M. 2011. Functions of restored wetlands for juvenile salmon in an industrialized estuary. *Ecol. Engineer.* 37: 343–353. doi:10.1016/j.ecoleng.2010.11.028.
- Coronado, C., and Hilborn, R. 1998. Spatial and temporal factors affecting survival in coho and fall chinook in the Pacific Northwest. *Bull. Mar. Sci.* 62: 409–425.
- Cowan, J.H., Jr., Rose, K.A., and DeVries, D.R. 2000. Is density-dependent growth in young-of-the-year fishes a question of critical weight? *Rev. Fish. Biol. Fish.* 10: 61–89. doi:10.1023/A:10089324103181.
- Creclius, E.A., Riley, R.G., Bloom, N.S., and Thomas, B.L. 1985. History of contamination of sediments in Commencement Bay, Tacoma, Washington. NOAA Technical Memorandum NOS OMA 14, Rockville, Md.
- Cubbage, J. 1991. Bioaccumulation of contaminants in crabs and clams in Bellingham Bay [online]. Washington State Department of Ecology, Report 91-e04, Seattle, Wash. Available from <http://www.ecy.wa.gov/biblio/91e04.html> [accessed 20 February 2013].
- Daughton, C.G., and Brooks, B.W. 2011. Active pharmaceutical ingredients and aquatic organisms. In *Environmental contaminants in biota: Interpreting tissue concentrations*. Edited by W.N. Beyer and J.P. Meador. Taylor and Francis, Boca Raton, Fla. pp. 287–347.
- Duffy, E.J. 2009. Factors during early marine life that affect smolt-to-adult survival of ocean-type Puget Sound Chinook salmon (*Oncorhynchus tshawytscha*). Ph.D. dissertation, University of Washington, Seattle, Wash.
- Duffy, E.J., and Beauchamp, D.A. 2008. Seasonal patterns of predation on juvenile Pacific salmon by anadromous cutthroat trout in Puget Sound. *Trans. Am. Fish. Soc.* 137: 165–181. doi:10.1577/T07-049.1.
- Duffy, E.J., and Beauchamp, D.A. 2011. Rapid growth in the early marine period improves the marine survival of Chinook salmon (*Oncorhynchus tshawytscha*) in Puget Sound, Washington. *Can. J. Fish. Aquat. Sci.* 68(2): 232–240. doi:10.1139/F10-144.
- Easton, M.D.L., Lusznick, D., and Von der Geest, E. 2002. Preliminary examination of contaminant loadings in farmed salmon, wild salmon and commercial salmon feed. *Chemosphere*, 46: 1053–1074. doi:10.1016/S0045-6535(01)00136-9. PMID:11999769.
- Eisler, R. 1986. Dioxin hazards to fish, wildlife, and invertebrates: a synoptic review. US Fish and Wildlife Service. Biological Report 85 (1.8).
- Ellings, C.S., and Hodgson, S. 2007. Nisqually Estuary baseline fish ecology study: 2003–2006 [online]. Nisqually National Wildlife Refuge and Nisqually Indian Tribe, Olympia, Wash. Available from <http://nisquallydeltarestoration.org/pdf/2007%20Nisqually%20Baseline%20Fish%20Ecology%20Final.pdf> [accessed 20 February 2013].
- Era-Miller, B. 2004. Verification of 303(d)-listed Sites in Northwest, Central, and Eastern Regions of Washington State [online]. Washington Dept. of Ecology Publication No. 04-03-035. Available from <http://www.ecy.wa.gov/biblio/0403035.html> [accessed 20 February 2013].
- Fairchild, W.L., Swansburg, E.O., Arsenault, J.T., and Brown, S.B. 1999. Does an association between pesticide use and subsequent declines in catch of Atlantic salmon (*Salmo salar*) represent a case of endocrine disruption? *Environ. Health Perspect.* 107: 349–357. PMID:10210690.
- Finstad, A.G., Ugedal, O., Forseth, T., and Næsje, T.F. 2004. Energy-related juvenile winter mortality in a northern population of Atlantic salmon (*Salmo salar*). *Can. J. Fish. Aquat. Sci.* 61(12): 2358–2368. doi:10.1139/f04-213.
- Fresh, K.L., Small, D.J., Kim, H., Waldbilling, C., Mizell, M., Carr, M.L., and Stamatiou, L. 2006. Juvenile salmon use of Sinclair Inlet, Washington in 2001 and 2002. Washington Department of Fish and Wildlife Technical Report No. FPT 05-08, Olympia, Wash.
- Gardiner, W.R., and Geddes, P. 1980. The influence of body composition on the survival of juvenile salmon. *Hydrobiologia*, 69: 67–72. doi:10.1007/BF00016537.
- Giles, S.L., and Cordell, J.R. 1998. Zooplankton composition and abundance in Budd Inlet, Washington. In *Proceedings, Puget Sound Research '98*, Olympia, Wash. pp. 634–642.
- Greene, C.M., and Beechie, T.J. 2004. Consequences of potential density-dependent mechanisms on recovery of ocean-type chinook salmon (*Oncorhynchus tshawytscha*). *Can. J. Fish. Aquat. Sci.* 61(4): 590–602. doi:10.1139/f04-024.
- Hatchery Scientific Review Group. 2002. Hatchery reform recommendations for the Puget Sound and Coastal Washington hatchery reform project [online]. Available from www.hatcheryreform.org [accessed 15 November 2012].
- Hatchery Scientific Review Group. 2003. Hatchery reform recommendations for the Puget Sound and Coastal Washington Hatchery Reform Project [online]. Available from www.hatcheryreform.org [accessed 15 November 2012].
- Healey, M.C. 1980. Utilization of the Nanaimo River estuary by juvenile chinook salmon (*Oncorhynchus tshawytscha*). *Fish. Bull.* 77: 653–668.
- Healey, M.C. 1982. Juvenile Pacific salmon in estuaries: the life support system. In *Estuarine Comparisons*. Edited by V.S. Kennedy. Academic Press, New York. pp. 315–341.
- Healey, M.C. 1991. Life history of chinook salmon (*Oncorhynchus tshawytscha*). In *Pacific salmon life histories*. Edited by C. Groot and L. Margolis. UBC Press, Vancouver, B.C. pp. 313–393.
- Heatwole, D. 2006. Habitat mapping and characterization in Port Susan Bay: Summary of 2004 and 2005 monitoring [online]. The Nature Conservancy of Washington, Seattle, Wash. Available from http://waconservation.org/dl/dl_Report_PSB_HabMapCharSum0405.pdf [accessed 20 February 2013].
- Higgs, D.A., MacDonald, J.S., Levings, C.D., and Dosanjh, B.S. 1995. Nutrition and feeding habits in relation to life history stage. In *Physiological ecology of Pacific salmon*. Edited by C. Groot, L. Margolis, and W.C. Clarke. UBC Press, Vancouver, B.C. pp. 161–315.
- Johansen, S.J.S., Ekli, M., Stangnes, B., and Jobling, M. 2001. Weight gain and lipid deposition in Atlantic salmon, *Salmo salar*, during compensatory growth: evidence for lipostatic regulation? *Aquacult. Res.* 32: 963–974. doi:10.1046/j.1365-2109.2001.00632.x.
- Johnson, L.L., Ylitalo, G.M., Arkoosh, M.R., Kagley, A.N., Stafford, C., Bolton, J.L., Buzitis, J., Anulacion, B.F., and Collier, T.K. 2007. Contaminant exposure in outmigrant juvenile salmon from Pacific Northwest Estuaries of the United