12 References¹

Aarestrup, K., and A. Koed. 2003. Survival of Migrating Sea Trout (Salmo Trutta) and Atlantic Salmon (Salmo Salar) Smolts Negotiating Weirs in Small Danish Rivers. Ecology of Freshwater Fish 12(3): 169-176.

Abbe, T.B., and D.R. Montgomery. 1996. Large Woody Debris Jams, Channel Hydraulics and Habitat Formation in Large Rivers. Regulated Rivers-Research & Management 12(2-3): 201-221.

Abbe, T.B., and D.R. Montgomery. 2003. Patterns and Processes of Wood Debris Accumulation in the Queets River Basin, Washington. Geomorphology 51(1-3): 81-107.

Abbott, R. R., E. Bing-Sawyer, and R. Blizard. 2002. Administrative Draft Assessment of Pile Driving Impacts on the Sacramento Blackfish (Orthodon micrcrolepidotus). Caltrans, Oakland, California

Abdelrhman, M.A. 2003. Effect of Eelgrass Zostera Marina Canopies on Flow and Transport. Marine Ecology-Progress Series 248: 67-83.

Able, K.W., J.P. Manderson, and A.I. Studholme. 1998. The distribution of shallow water juvenile fishes in an urban estuary: the effects of man-made structures in the Lower Hudson River. Estuaries 21: 731-44. Cited in Nightingale and Simenstad 2001b.

Adams, P.B., and J.E. Hardwick. 1992. Lingcod. In California's Living Marine Resources and Their Utilization. Edited by W.S. Leet, C.M. Dewees and C.W. Haugen. Davis, California: California Sea Grant College Program.

Adams, P.B., C.B. Grimes, J.E. Hightower, S.T. Lindley, and M.L. Moser. 2002. Status Review for North American Green Sturgeon, Acipenser mediorstris. National Marine Fisheries Service, Southwest Fisheries Science Center. June 2002.

AFS and SER. 2000. Review of the 29 April 1999 Forests and Fish Report and of Associated Draft Emergency Forest Practice Rules. Northwest Chapter of the Society for Ecological Restoration.

If one of the ten original white papers referenced different works by the same author(s) that were published in the same year, they are indicated by adding (a), (b), (etc.) after the year of publication.

However, if different works by the same author(s) in the same year were compiled from different white papers, such apparent duplications were not resolved in the compiled text, and each paper is listed here by year only.

_

¹ These references were compiled from ten white papers prepared for the Washington Department of Fish and Wildlife in 2006 and 2007. Duplicate references were removed. Because the original white papers did not all use the same format for citations, some variation in format remains.

Agostinho, C.S., A.A. Agostinho, F. Pelicice, D. de Almeida, and E.E. Marques. 2007. Selectivity of Fish Ladders: A Bottleneck in Neotropical Fish Movement. Neotropical Ichthyology 5(2): 205-213.

Ahearn, D.S., and R.A. Dahlgren. 2005. Sediment and Nutrient Dynamics Following a Low-Head Dam Removal at Murphy Creek, California. Limnology and Oceanography 50(6): 1752-1762.

Ahearn, D.S., J.H. Viers, J.F. Mount, and R.A. Dahlgren. 2006. Priming the Productivity Pump: Flood Pulse Driven Trends in Suspended Algal Biomass Distribution across a Restored Floodplain. Freshwater Biology 51: 1417-1433.

Ahearn, D.S., R.W. Sheibley, and R.A. Dahlgren. 2005. Effects of River Regulation on Water Quality in the Lower Mokelumne River, California. River Research and Applications 21(6): 651-670.

Ahn, I.Y. and Choi, J.W. 1998. Macrobenthic communities impacted by anthropogenic activities in an intertidal sand flat on the West Coast (Yellow Sea) of Korea. Marine Pollution Bulletin 36(10):808-817.

Ainslie, B.J., J.R. Post, and A.J. Paul. 1998. Effects of Pulsed and Continuous DC Electrofishing on Juvenile Rainbow Trout. North American Journal of Fisheries Management 18. (4): 905-918.

Airoldi, L., and S.J. Hawkins. 2007. Negative Effects of Sediment Deposition on Grazing Activity and Survival of the Limpet Patella Vulgata. Marine Ecology-Progress Series 332: 235-240.

Aitken, J.K. 1998. The importance of estuarine habitats to anadromous salmonids of the Pacific Northwest: a literature review. U.S. Fish and Wildlife Service, Lacey, WA. 25pp.

Aksnes, D.L., and A.C.W. Utne. 1997. A Revised Model of Visual Range in Fish. Sarsia 82(2): 137-147.

Alaska Natural Heritage Program. 2006. Longfin smelt. Compiled by Tracey Gotthardt, ANHP. Anchorage, AK.

Albers, W. D., and P.J. Anderson. 1985. Diet of Pacific cod, Gadus macrocephalus, and predation on the northern pink shrimp, Pandalus borealis, in Pavlof Bay, Alaska. Fishery Bulletin 83: 601-10. Cited in Nightingale and Simenstad 2001a.

Ali, M.A. 1959. The Ocular Structure, Retinomotor and Photobehavioral Responses of Juvenile Pacific Salmon. Ph.D. Thesis, University of British Columbia.

Ali, M.A. 1962. Influence of light intensity on retinal adaptation in Atlantic salmon (Salmo salar) yearlings. Canadian Journal of Zoology 40: 561-70. Cited in Simenstad et al. 1999, in Nightingale and Simenstad 2001b.

Ali, M.A. 1975. Retinomotor Responses. In Vision in Fishes, edited by M.A. Ali. New York, New York: Plenum Press.

Allen, H.H. and J.C. Fischenich. 1999. Coir geotextile roll and wetland plants for streambank erosion control. EMRRP Technical Notes Collection (ERDC TN-EMRRP-SR-04). U.S. Army Engineer Research and Development Center, Vicksburg, MS. Available at: www.wes.army.mil/el/emrrp.

Allen, H.H. and J.R. Leech. 1997. Bioengineering for streambank erosion control. Report 1, Guidelines Prepared for U.S. Army Corps of Engineers. 103 pp. Technical report EL-97-8 Report 1.

Altayaran, A.M., and I.M. Madany. 1992. Impact of Desalination Plant on the Physical and Chemical Properties of Seawater, Bahrain. Water Research 26(4): 435-441.

Amoser, S., and F. Ladich. 2005. Are Hearing Sensitivities of Freshwater Fish Adapted to the Ambient Noise in Their Habitats? The Journal of Experimental Biology 208: 3533-3542.

Anbutsu, K., T. Nakajima, Y. Takemon, K. Tanida, N. Goto, and O. Mitamura. 2006. Distribution of Biogeochemical Compounds in Interstitial and Surface Standing Water Bodies in the Gravel Bar of the Kizu River, Japan. Archiv Fur Hydrobiologie 166(2): 145-167.

Anchor Environmental, Coastal Geologic Services, KPG, and Shannon & Wilson. 2002. Seahurst Park Master Plan Technical Memorandum Summary of Background Information. Prepared for City of Burien.

Anchor Environmental, Jones & Stokes Associates, and R2 Resource Consultants. 2006. Scientific Needs Assessment of HPA Activities. Prepared for the Washington Department of Fish and Wildlife.

Anderson, J.J. 1990. Assessment of the Risk of Pile Driving to Juvenile Fish. Fisheries Research Institute. University of Washington, Seattle, Washington.

Anderson, P.D., D.J. Larson, and S.S. Chan. 2007. Riparian Buffer and Density Management Influences on Microclimate of Young Headwater Forests of Western Oregon. Forest Science 53(2): 254-269.

Angermeier, P.L., and J.R. Karr. 1984. Relationships between Woody Debris and Fish Habitat in a Small Warmwater Stream. Transaction of the American Fisheries Society 113: 716-726.

Angradi, T.R., E.W. Schweiger, D.W. Bolgrien, P. Ismert, and T. Selle. 2004. Bank Stabilization, Riparian Land Use and the Distribution of Large Woody Debris in a Regulated

Reach of the Upper Missouri River, North Dakota, USA. River Research and Applications 20(7): 829-846.

Anisfeld, S.C., and G. Benoit. 1997. Impacts of Flow Restrictions on Salt Marshes: An Instance of Acidification. Environmental Science and Technology 31: 1650-1657.

Anisfeld, S.C., M.J. Tobin, and B. Gaboury. 1999. Sedimentation Rates in Flow-Restricted and Restored Salt Marshes in Long Island Sound. Estuaries and Coasts 22(2A): 231-244.

Anthony, J.L. and J.A. Downing. 2003. Physical Impacts of Wind and Boat Traffic on Clear Lake, Iowa, USA. Lake and Reservoir Management. 19(1):1-14.

Appenzeller, A.R., and W.C. Legget. 1995. An Evaluation of Light-Mediated Vertical Migration of Fish Based on Hydroacoustic Analysis of the Diel Vertical Movements of Rainbow Smelt (Osmerus Mordax). Canadian Journal of Fisheries and Aquatic Science 52: 504-511.

Arkoosh, M.R., E. Casillas, E. Clemons, B.B. McCain, and U. Varanasi. 1991. Suppression of Immunological Memory in Juvenile Chinook Salmon (Oncorhynchus tshawystscha) from an Urban Estuary. Fish and Shellfish Immunology 1: 261-277.

Arkoosh, M.R., E. Casillas, E. Clemons, P. Huffman, A. Kagley, T.K. Collier, and J.E. Stine. 2001. Increased Susceptibility of Juvenile Chinook Salmon (Oncorhynus tshawytscha) to Vibriosis after Exposure to Chlorinated and Aromatic Compounds Found in Contaminated Urban Estuaries. Journal of Aquatic Animal Health 13: 257-268.

Arkoosh, M.R., E. Casillas, P. Huffman, E. Clemons, J. Evered, J.E. Stein, and U. Varanusi. 1998. Increased Susceptibility of Juvenile Chinook Salmon from a Contaminated Estuary to the Pathogen Vibro anguillarum. Transactions of the American Fisheries Society 127: 360-374.

Arkoosh, M.R., E. Clemons, A.N. Kagley, C. Stafford, A.C. Glass, K. Jacobson, P. Reno, M.S. Myers, E. Casillas, L.L. Johnson, and T.K. Collier. 2004. Survey of Pathogens in Juvenile Salmon (Oncorhynchus Spp.) Migrating through Pacific Estuaries. Journal of Animal Health 16: 186-196.

Arkoosh, M.R., E. Clemons, M. Myers, and E. Casillas. 1994. Suppression of B-Cell Mediated Immunity in Juvenile Chinook Salmon (Oncorhynchus Tshawytscha) after Exposure to Either a Polycyclic Aromatic Hydrocarbon or to Polychlorinated Biphenyls. Immunopharmacology and Immunotoxicology 16: 293-3214.

Arkoosh, M.R., E. Clemons, P. Huffman, and A.N. Kagley. 2001. Increased Susceptibility of Juvenile Chinook Salmon to Vibriosis after Exposure to Chlorinated and Aromatic Compounds Found in Contaminated Urban Estuaries. Journal of Aquatic Animal Health 13(3): 257-268.

Armstrong, D.A., B.G. Stevens, and J.E. Hoeman. 1982. Distribution and Abundance of Dungeness Crab and Crangon Shrimp and Dredging-related Mortality of Invertebrates and Fish

in Grays Harbor, Washington. DACW67-80-C-0086. Seattle, Washington: School of Fisheries, University of Washington.

Assani, A.A., and F. Petit. 2004. Impact of Hydroelectric Power Releases on the Morphology and Sedimentology of the Bed of the Warche River (Belgium). Earth Surface Processes and Landforms 29(2): 133-143.

Astrup, J., and B. Mohl. 1998. Discrimination between high and low repetition rates of ultrasonic pulses by cod. Journal of Fish Biology 52, 205-208. Cited in Scholik and Yan 2002.

Atilla, N., M.A. Wetzel, and J.W. Fleeger. 2003. Abundance and Colonization Potential of Artificial Hard Substrate-Associated Meiofauna. Journal of Experimental Marine Biology and Ecology 287(2): 273-287.

Au, D.W.T., C.A. Pollino, R.S.S. Wu, P.K.S. Shin, S.T.F. Lau, and J.Y.M. Tang. 2004. Chronic Effects of Suspended Solids on Gill Structure, Osmoregulation, Growth, and Triiodothyronine in Juvenile Green Grouper Epinephelus Coioides. Marine Ecology-Progress Series 266: 255-264.

Auble, G., P. Shafroth, M. Scott, and J. Roelle. 2007. Early Vegetation Development on an Exposed Reservoir: Implications for Dam Removal. Environmental Management 39(6): 806-818.

Azous, A.L. 1991. An Analysis of Urbanization Effects on Wetland Biological Communities. Master's Thesis, University of Washington, Seattle, Washington.

Azous, A.L., and R.R. Horner. 2001. Wetlands and Urbanization: Implications for the Future. Boca Raton: Lewis Publishers.

Babanin, A.V. 2006. On a Wave-Induced Turbulence and a Wave-Mixed Upper Ocean Layer. Geophysical Research Letters 33(20).

Babbitt, K.J., and G.W. Tanner. 1998. Effects of Cover and Predator Size on Survival and Development of Rana Utricularia Tadpoles. Oecologia 114(2): 258-262.

Babcock, W.H. 1986. Tenmile Creek - a Study of Stream Relocation. Water Resources Bulletin 22(3): 405-415.

Bacchiocchi, F., and L. Airoldi. 2003. Distribution and Dynamics of Epibiota on Hard Structures for Coastal Protection. Estuarine Coastal and Shelf Science 56(5-6): 1157-1166.

Backman, T.W., and D.C. Barilotti. 1976. Irradiance Reduction - Effects on Standing Crops of Eelgrass Zostera-Marina in a Coastal Lagoon. Marine Biology 34(1): 33-40. Cited in Nightingale and Simenstad 2001b.

Bailey, K.M. 1982. The Early Life History of the Pacific Hake, Merluccius Productus. Fishery Bulletin 80: 589-598. Cited in NRC 2001.

Bailey, K.M., T.J. Quinn, P. Bentzen, and W.S. Grant. 1999. Population Structure and Dynamics of Walleye Pollock, Theragra Chalcogramma. Advances in Marine Biology 37: 179-255. Cited in NRC 2001.

Baillie, B.R., and T.R. Davies. 2002. Influence of Large Woody Debris on Channel Morphology in Native Forest and Pine Plantation Streams in the Nelson Region, New Zealand. New Zealand Journal of Marine and Freshwater Research 36(4): 763-774.

Baine, M. 2001. Artificial Reefs: A Review of Their Design, Application, Management and Performance. Ocean & Coastal Management 44(3-4): 241-259.

Baker, C.F. 2003. Effect of Fall Height and Notch Shape on the Passage of Inanga (Galaxias Maculatus) and Common Bullies (Gobiomorphus Cotidianus) over an Experimental Weir. New Zealand Journal of Marine and Freshwater Research 37(2): 283-290.

Baker. P. 1995. Review of Ecology and Fishery of the Olympia Oyster, Ostrea lurida with Annotated Bibliography. Journal of Shellfish Research 14(2):501-518. Cited in WDNR 2006b.

Baldwin, D.H., J.F. Sandahl, J.S. Labenia, and N.L. Scholz. 2003. Sublethal Effects of Copper on Coho Salmon: Impacts on Nonoverlapping Receptor Pathways in the Peripheral Olfactory Nervous System. Environmental Toxicology and Chemistry 22(10): 2266-2274.

Baldwin, J.R., and J.R. Lovvorn. 1994. Expansion of Seagrass Habitat by the Exotic Zostera Japonica, and Its Use by Dabbling Ducks and Brant in Boundary Bay, British Columbia. Marine Ecology Progress Series 103: 119-127.

Ban, M. 2006. Rearing conditions to develop seawater tolerance in underyearling sockeye salmon smolt. Fisheries Science 72(1): 128-135.

Banner, A., and M. Hyatt. 1973. Effects of Noise on Eggs and Larvae of Two Estuarine Fishes. Transactions of the American Fisheries Society 102: 134-136.

Barber, L.B., S.F. Murphy, P.L. Verplanck, M.W. Sandstrom, H.E. Taylor, and E.T. Furlong. 2006. Chemical Loading into Surface Water Along a Hydrological, Biogeochemical, and Land Use Gradient: A Holistic Watershed Approach. Environmental Science & Technology 40(2): 475-486.

Barber, M.E., M.G. Brown, K.M. Lingenfelder, and D.R. Yonge. 2006. Phase I: Preliminary Environmental Investigation of Heavy Metals in Highway Runoff. Pullman, Washington: Washington State Transportation Center (TRAC), Washington State University.

Bargmann, G.C. 1980. Studies on Pacific cod in Agate Pass, Washington. Washington Department of Fisheries Progress Report No. 123.

Bargmann, G.C. 1998. Forage Fish Management Plan: A Plan for Managing the Forage Fish Resources of Washington. Olympia, Washington: Washington Department of Fish and Wildlife.

Barks, C.S. and J.E. Funkhouser. 2002. Effects of a simulated change in land cover on surface-water velocity distribution at a bridge in southeastern Arkansas: in Proceedings of the Second Federal Interagency Hydrologic Modeling Conference, Las Vegas, NV, July 29 - August 1, 2002: Subcommittee on Hydrology of the Interagency Advisory Committee on Water Information.

Barnard, B. 2002. Road Impounded Wetlands - Planning Guidance. Olympia, Washington: Washington Department of Fish and Wildlife - Habitat Program.

Barrett, K., W. Goldsmith, and M. Silva. 2006. Integrated Bioengineering and Geotechnical Treatments for Streambank Restoration and Stabilization Along a Landfill. Journal of Soil and Water Conservation 61(3): 144-153.

Barrett, M.E. 2005. BMP Performance Comparisons: Examples from the International Stormwater BMP Database. World Water Congress 2005, Anchorage, Alaska, USA, May 15, 2005. pp. 163.

Barrett, M.E., J.M. Malina, R.J. Charbeneau, and G.H. Ward. 1995. Characterization of Highway Runoff in the Austin, Texas. CRWR 263. Austin, Texas: Center for Research in Water Resources.

Bartholow, J.M. 2002. Estimating cumulative effects of clearcutting on stream temperatures. Available at: http://smig.usgs.gov/SMIG/features_0902/clearcut.html.

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 American Journal of Fisheries Management 5: 364-378.

Bartz, K.K., and R.J. Naiman. 2005. Effects of Salmon-Borne Nutrients on Riparian Soils and Vegetation in Southwest Alaska. Ecosystems 8(5): 529-545.

Bash, J., C.H. Berman, and S. Bolton. 2001. Effects of Turbidity and Suspended Solids on Salmonids. WA-RD 526.1. Olympia, Washington: Washington State Department of Transportation.

Bates, K. 1997. Fishway Design Guidelines for Pacific Salmon. Washington Department of Fish and Wildlife. Washington Department of Fish and Wildlife - Lands and Restoration Services Program. Olympia, Washington.

Bates, K. 2003. Design of road culverts for fish passage. Olympia: Washington Department of Fish and Wildlife. Available at http://wdfw.wa.gov/hab/engineer/cm/ (Accessed 2006.10.04).

Bates, K. 2007. Personal communication (telephone conversation), with E. Doyle, Herrera Environmental Consultants, December 14, 2007. Discussion of the potential for culvert removal or replacement to liberate arrested headcuts, effects on hydraulic and geomorphic conditions, and

the prevalence of this issue in culvert replacement practice in Washington State. Consulting hydraulic engineer (formerly with WDFW engineering division). Seattle, Washington.

Bates, K. 2008. Personal communication with E. Doyle, Herrera Environmental Consultants, Seattle, Washington. January 8, 2008.

Bates, K., B. Barnard, B. Heiner, J.P. Klavas, and P.D. Powers. 2003. Design of Road Culverts for Fish Passage (Revised). Olympia, Washington: Washington Department of Fish and Wildlife, Aquatic Habitat Division.

Bates, K., D. Cenderelli, R.A. Gubernick, S.D. Jackson, and D.K. Johansen. 2008. Stream Simulation: An Ecological Approach to Providing Passage for Aquatic Organisms at Road-Stream Crossings. San Dimas, California: U.S. Forest Service. Partial draft, in progress.

Battelle Marine Sciences Laboratory. 2003. Immunocompetence of Juvenile Chinook Salmon Against Listonell Anguillarum Following Dietary Exposure to Polcyclic Aromatic Hydrocarbons, Profishent, Battelle Marine Science Lab: Palm, Powell, Skillman, Godtfredsen.

Battelle Marine Sciences Laboratory. 2004. Hydroacoustic Monitoring During Beach Pile Driving at Hood Canal Bridge on June 14th, 2004. Battelle Marine Sciences Laboratory, Sequim, Washington.

Bauer, B.O., M.S. Lorang, and D.J. Sherman. 2002. Estimating Boat-Wake-Induced Levee Erosion Using Sediment Suspension Measurements. Journal of Waterway, Port, Coastal, and Ocean Engineering 128(4): 152-162.

Baxter, C.V., and F.R. Hauer. 2000. Geomorphology, Hyporheic Exchange, and Selection of Spawning Habitat by Bull Trout (Salvelinus Confluentus). Canadian Journal of Fisheries and Aquatic Sciences 57(7): 1470-1481.

Baxter, J.S., and J.D. McPhail. 1999. The Influence of Redd Site Selection, Groundwater Upwelling, and over-Winter Incubation Temperature on Survival of Bull Trout (Salvelinus Confluentus) from Egg to Alevin. Canadian Journal of Zoology-Revue Canadienne De Zoologie 77(8): 1233-1239.

Baxter, R.M. 1977. Environmental Effects of Dams and Impoundments. Annual Review of Ecology and Systematics 8: 255-283.

Bay, S., B.H. Jones, and J. Schiff. 1999. Study of the Impact of Stormwater Discharge on Santa Monica Bay. SCU-T-99-001 C3. Alhambra, California: Los Angeles County Department of Public Works.

Baylar, A., and T. Bagatur. 2000. Aeration Performance of Weirs. Water SA 26(4): 521-526.

Bayley, P.B. 1991. The Flood Pulse Advantage and the Restoration of River-Floodplain Systems. Regulated Rivers Research and Management 6: 75-86.

Bayley, P.B. 1995. Understanding Large River Floodplain Ecosystems. Bioscience 45(3): 153-158.

Beacham, T.D., and C.B. Murray. 1990. Temperature, Egg Size, and Development of Embryos and Alevins of 5 Species of Pacific Salmon - a Comparative-Analysis. Transactions of the American Fisheries Society 119(6): 927-945.

Beamer, E., A. McBride, C. Greene, R. Henderson, G. Hood, K. Wolf, K. Larsen, C. Rice, and K. Fresh. 2005. Delta and Nearshore Restoration for the Recovery of Wild Skagit River Chinook Salmon: Linking Estuary Restoration to Wild Chinook Salmon Populations. LaConner, Washington: Skagit River System Cooperative.

Beamer, E.M., and R.A. Henderson. 1998. Juvenile Salmonid Use of Natural and Hydromodified Stream Bank Habitat in the Mainstem Skagit River, Northwest Washington. Prepared for United States Army Corps of Engineers, Seattle District, Environmental Resources Section, Seattle, Washington. September 1998.

Beamer, E.M., B. Hayman, and D. Smith. 2005. Linking Freshwater rearing habitat to Skagit chinook salmon recovery; Appendix C of the Skagit chinook recovery plan. Skagit System Cooperative, La Conner, WA.

Bearzi, G., D. Holcer, and G.N. Di Sciara. 2004. The Role of Historical Dolphin Takes and Habitat Degradation in Shaping the Present Status of Northern Adriatic Cetaceans. Aquatic Conservation: Marine and Freshwater Ecosystems 14(4): 363-379.

Beatty, D.D. 1965. A study of the succession of visual pigments in Pacific Salmon (Oncorhynchus). Canadian Journal of Zoology 44: 429-55.

Beauchamp, D.A., E.R. Byron, and W.A. Wurtsbaugh. 1994. Summer Habitat Use by Littoral-Zone Fishes in Lake Tahoe and the Effects of Shoreline Structures. North American Journal of Fisheries Management 14: 385-394.

Beaver Solutions. 2007. Beaver Solutions: Consulting and Beaver Management Services. Available at: http://www.beaversolutions.com/FAQ.asp (accessed July 21, 2007).

Beckett, D.C., T.P. Aartila, and A.C. Miller. 1992. Contrasts in Density of Benthic Invertebrates between Macrophyte Beds and Open Littoral Patches in Eau-Galle Lake, Wisconsin. American Midland Naturalist 127(1): 77-90.

Bednarek, A.T. 2001. Undamming Rivers: A Review of the Ecological Impacts of Dam Removal. Environmental Management 27(6): 803-814.

Beechie, T., E. Beamer, and L. Wasserman. 1994. Estimating salmon rearing habitat and smolt production losses in a large river basin, and implications for habitat restoration. North American Journal of Fisheries Management 14: 797-811.

Beechie, T.J., and T.H. Sibley. 1997. Relationships between Channel Characteristics, Woody Debris, and Fish Habitat in Northwestern Washington Streams. Transactions of the American Fisheries Society 126(2): 217-229.

Beechie, T.J., B.D. Collins, and G. Pess. 2001. Holocene and Recent Changes to Fish Habitats in Two Puget Sound Basins. In Geomorphic Processes and Riverine Habitat, edited by J.M. Dorava, B. Palcsak, F. Fitzpatrick, and D.R. Montgomery. Washington, DC: American Geophysical Union. pp. 37-54.

Beechie, T.J., E. Beamer, and L. Wasserman. 1994. Estimating Coho Salmon Rearing Habitat and Smolt Production Losses in a Large River Basin, and Implications for Habitat Restoration. North American Journal of Fisheries Management 14(4): 797-811.

Beeman, J.W., D.W. Rondorf, and M.E. Tilson. 1994. Assessing Smoltification of Juvenile Spring Chinook Salmon (Oncorhynchus-Tshawytscha) Using Changes in Body Morphology. Canadian Journal of Fisheries and Aquatic Sciences 51(4): 836-844.

Behlke, C.E. 1991. Fundamentals of Culvert Design for Passage of Weak-Swimming Fish: Final Report. Alaska Dept. of Transportation and Public Facilities.

Bell, M.C. 1991. Fisheries Handbook of Engineering Requirements and Biological Criteria. Prepared for the U.S. Army Corps of Engineers North Pacific Division Fish Passage Development and Evaluation Program. Portland, Oregon.

Bell, S.S., M.O. Hall, S. Soffian, and K. Madley. 2002. Assessing the impact of boat propeller scars on fish and shrimp utilizing seagrass beds. Ecological Applications 12:206-217.

Bellotti, G. 2004. A Simplified Model of Rip Currents Systems around Discontinuous Submerged Barriers. Coastal Engineering 51(4): 323-335.

Benda, L.E. and T.W. Cundy. 1990. Predicting deposition of debris flows in mountain channels. Canadian Geotechnical Journal 27(4): 409-417.

Ben-David, M., T.A. Hanley, and D.M. Schell. 1998. Fertilization of Terrestrial Vegetation by Spawning Pacific Salmon: The Role of Flooding and Predator Activity. Oikos 83(1): 47-55.

Bennett, D.H., W.P. Connor, and C.A. Eaton. 2003. Substrate Composition and Emergence Success of Fall Chinook Salmon in the Snake River. Northwest Science 77(2): 93-99.

Bennett, M. 2007. Managing Himalayan Blackberry in Western Oregon Riparian Areas. EM 8894. Corvallis, Oregon: Oregon State University.

Bennett, S.J., T. Pirim, and B.D. Barkdoll. 2002. Using simulated emergent vegetation to alter stream flow direction within a straight experimental channel. Geomorphology 44: 115-126.

Benstead, J.P., J.G. March, C.M. Pringle, and F.N. Scatena. 1999. Effects of a Low-Head Dam and Water Abstraction on Migratory Tropical Stream Biota. Ecological Applications 9(2): 656-668.

Berg, L. 1982. The effect of exposure to short-term pulses of suspended sediment on the behavior of juvenile salmonids. P. 177-196 in G.F. Hartman et al. [eds.] Proceedings of the Carnation Creek workshop: a ten-year review. Department of Fisheries and Oceans, Pacific Biological Station, Nanaimo, Canada. In Bash et al. 2001.

Berg, L., and T.G. Northcote. 1985. Changes in Territorial, Gill-Flaring, and Feeding-Behavior in Juvenile Coho Salmon (Oncorhynchus-Kisutch) Following Short-Term Pulses of Suspended Sediment. Canadian Journal of Fisheries and Aquatic Sciences 42(8): 1410-1417.

Berman, C.H., and T.P. Quinn. 1991. Behavioral Thermoregulation and Homing by Spring Chinook Salmon, Oncorhynchus Tshawytscha (Walbaum), in the Yakima River. Journal of Fish Biology 39: 312.

Bernhardt, E.S., and M.A. Palmer. 2007. Restoring Streams in an Urbanizing World. Freshwater Biology 52: 738-751.

Bernhardt, E.S., M.A. Palmer, J.D. Allan, G. Alexander, K. Barnas, S. Brooks, J. Carr, S. Clayton, C. Dahm, J. Follstad-Shah, D. Galat, S. Gloss, P. Goodwin, D. Hart, B. Hassett, R. Jenkinson, S. Katz, G.M. Kondolf, P.S. Lake, R. Lave, J.L. Meyer, T.K. O'Donnell, L. Pagano, B. Powell, and E. Sudduth. 2005. Ecology - Synthesizing US River Restoration Efforts. Science 308(5722): 636-637.

Berry, W., N. Rubenstein, B. Melzian, and B. Hill. 2003. The Biological Effects of Suspended and Bedded Sediments (SABS) in Aquatic Systems: A Review. Internal Report. U.S. Environmental Protection Agency, Office of Research and Development, Narragansett, RI. August 20, 2003.

Beschta, R.L. 1991. Stream Habitat Management for Fish in the Northwestern United States: The Role of Riparian Vegetation. American Fisheries Society Symposium 10: 53-58.

Beschta, R.L. 1997. Riparian Shade and Stream Temperature: An Alternative Perspective. Rangelands 19(2): 25-28.

Beschta, R.L., and R.L. Taylor. 1988. Stream Temperature Increases and Land-Use in a Forested Oregon Watershed. Water Resources Bulletin 24(1): 19-25.

Beschta, R.L., R.E. Bilby, G.W. Brown, L.B. Holtby, and T.D. Hofstra. 1988. Stream temperature and aquatic habitat: Fishery and forestry interactions. In Streamside Management: Forestry and Fishery Interactions: Contribution No. 57. Seattle, Washington: University of Washington, Institute of Forest Resources. pp. 191-232.

- Bestgen, K.R., J.M. Bundy, K.A. Zelasko, and T.L. Wahl. 2004. Effectiveness of High-Velocity Inclined Profile-Bar Fish Screens Measured by Exclusion and Survival of Early Life Stages of Fathead Minnow. North American Journal of Fisheries Management 24(4): 1228-1239.
- Bhowmilk, N.G., T.W. Soong, W.F. Reichelt, and N.M.L. Seddick. 1991. Waves Generate by Recreational Traffic on the Upper Mississippi River System. Illinois State Water Survey.
- Bilby, R. E. 1984. Post-logging removal of woody debris affects stream channel stability. Journal of Forestry 82(10): 609-613. Cited in Naiman et al. 2002.
- Bilby, R.E., and J.W. Ward. 1991. Characteristics and Function of Large Woody Debris in Streams Draining Old-Growth, Clear-Cut, and 2nd-Growth Forests in Southwestern Washington. Canadian Journal of Fisheries and Aquatic Sciences 48(12): 2499-2508.
- Bilby, R.E., and P.A. Bisson. 1992. Allochthonous Versus Autochthonous Organic-Matter Contributions to the Trophic Support of Fish Populations in Clear-Cut and Old-Growth Forested Streams. Canadian Journal of Fisheries and Aquatic Sciences 49(3): 540-551.
- Bilby, R.E., and P.A. Bisson. 1998. Function and Distribution of Large Woody Debris. In River Ecology and Management: Lessons from the Pacific Coastal Ecoregion, edited by R.J. Naiman and R.E. Bilby. Springer-Verlag, New York. pp. 324-347.
- Bilby, R.E., B.R. Fransen, P.A. Bisson, and J.K. Walter. 1998. Response of Juvenile Coho Salmon (Oncorhynchus Kisutch) and Steelhead (Oncorhynchus Mykiss) to the Addition of Salmon Carcasses to Two Streams in Southwestern Washington, USA. Canadian Journal of Fisheries and Aquatic Sciences 55(8): 1909-1918.
- Birtwell, I.K., G. Hartman, B. Anderson, D.J. McLeay, and J.K. Malick. 1984. A Brief Investigation Of Arctic Grayling (Thymallus Arcticus) And Aquatic Invertebrates In The Minto Creek Drainage, Mayo, Yukon Territory. Canadian Technical Report Of Fisheries And Aquatic Sciences 1287.
- Bisson, P.A. and R.E. Bilby. 1982. Avoidance of Suspended Sediments by Juvenile Coho Salmon. North American Journal of Fish Management 2: 371-374.
- Bisson, P.A., and R.E. Bilby. 1998. Organic Matter and Trophic Dynamics. In River Ecology and Management: Lessons Form the Pacific Coastal Ecoregion, edited by R.J. Naiman and R.E. Bilby. New York: Springer-Verlag.
- Bisson, P.A., R.E. Bilby, M.D. Bryant, C.A. Colloff, G.B. Frette, and R.A. House. 1987. Large Woody Debris in Forested Streams in the Pacific Northwest: Past, Present, and Future. In Streamside Management: Forestry and Fishery Interactions, edited by E.O. Salo and T.W. Cundy. Seattle, Washington: University of Washington.
- Bjornn, T.C., and D.W. Reiser. 1991. Habitat Requirements of Salmonids in Streams. In Influences of Forest and Rangeland Management on Salmonid Fishes and Their Habitats, edited

- by W.R. Meehan. Bethesda, Maryland: American Fisheries Society Special Publication 19. pp. 83-138.
- Bjornn, T.C., S.C. Kirking, and W.R. Meehan. 1991. Relation of Cover Alterations to the Summer Standing Crop of Young Salmonids in Small Southeast Alaska Streams. Transactions of the American Fisheries Society 120(5): 562-570.
- Blaber, S.J.M., D.P. Cyrus, J.J. Albaret, C.V. Ching, J.W. Day, M. Elliott, M.S. Fonseca, D.E. Hoss, J. Orensanz, I.C. Potter, and W. Silvert. 2000. Effects of Fishing on the Structure and Functioning of Estuarine and Nearshore Ecosystems. ICES Journal of Marine Science 57(3): 590-602.
- Black, J.A. and W.J. Birge. 1980. An Avoidance Response Bioassay for Aquatic Pollutants. Res. Report No. 123, U.S. NTIS PB80-180490. Water Resources Research Institute, University of Kentucky, Lexington. (As cited in Stratus 2005b).
- Black, K.P., and G.D. Parry. 1999. Entrainment, Dispersal, and Settlement of Scallop Dredge Sediment Plumes: Field Measurements and Numerical Modeling. Canadian Journal of Fisheries and Aquatic Sciences 56(12): 2271-2281.
- Black, M.C., D.S. Millsap, and J.F. Mccarthy. 1991. Effects of Acute Temperature-Change on Respiration and Toxicant Uptake by Rainbow-Trout, Salmo-Gairdneri (Richardson). Physiological Zoology 64(1): 145-168.
- Blackley, T. 2004. Screening Irrigation Offtakes in the Murray-Darling Basin to Reduce Loss of Native Fish. Proceedings of the Workshop on Downstream Fish Movements. Murray-Darling Basin Commission, Canberra.
- Blackmon, D., T. Wyllie-Echeverria, and D.J. Shafer. 2006. The Role of Seagrasses and Kelps in Marine Fish Support. U.S. Army Corps of Engineers. Wetlands Regulatory Assistance Program ERDC TN-WRAP-06-1. February.
- Blanton, S.L., R.M. Thom, and J.A. Southard. 2001. Documentation of Ferry Terminal Shading, Substrate Composition, and Algal and Eelgrass Coverage. Seattle, Washington: Battelle Marine Sciences Laboratory.
- Blaxter, J.H.S. 1975. Fish Vision and Applied Research. In Vision in Fishes: New Approaches in Research, edited by M.A. Ali. New York: Plenum Press.
- Blaxter, J.H.S., J.A.B. Gray, and E.J. Denton. 1981. Sound And Startle Responses In Herring Shoals. J. Mar. Biol. Ass. U.K. 6: 851-69. Cited in Scholik and Yan 2001a.
- Blinn, D.W., J.P. Shannon, L.E. Stevens, and J.P. Carder. 1995. Consequences of fluctuating discharge for lotic communities. Journal of the North American Benthological Society 14:233-248. Cited in Watters et al., 1999.

Block, D.G. 1955. Trout Migration and Spawning Studies on the North Fork Drainage of the Flathead River. University of Montana, Missoula, Montana.

Blomqvist, S., A. Gunnars, and R. Elmgren. 2004. Why the Limiting Nutrient Differs between Temperate Coastal Seas and Freshwater Lakes: A Matter of Salt. Limnology and Oceanography 49(6): 2236-2241.

Boehlert, G.W. 1980. Size composition, age composition, and growth of canary rockfish, Sebastes pinniger, and splitnose rockfish, S. diploproa, from the 1977 rockfish survey. Marine Fisheries Review 42:57-63. Cited in NRC 2001.

Boehlert, G.W., and J.B. Morgan. 1985. Turbidity enhances feeding abilities of larval Pacific herring, Clupea harengus pallasi. Hydrobiologia 123:161-170.

Boehlert, G.W., and M.M. Yoklavich. 1983. Effects of temperature, ration, and fish size on growth of juvenile black rockfish, Sebastes melanops. Environmental Biology of Fishes 8:17-28. Cited in NRC 2001.

Boehlert, G.W., and R.F. Kappenman. 1980. Variation of Growth with Latitude in Two Species of Rockfish (Sebastes Pinniger and S. Diploproa) from the Northeast Pacific Ocean. Marine Ecology-Progress Series 3: 1-10. Cited in NRC 2001.

Boehlert, G.W., M.M. Yoklavich, and D.B. Chelton. 1989. Time series of growth in the genus Sebastes from the northeast Pacific Ocean. Fishery Bulletin 87:791-806. Cited in NRC 2001.

Boese, B.L., B.D. Robbins, and G. Thursby. 2005. Desiccation Is a Limiting Factor for Eelgrass (Zostera Marina L.) Distribution in the Intertidal Zone of a Northeastern Pacific (USA) Estuary. Botanica Marina 48(4): 274-283.

Boggs, C.T., M.L. Keefer, C.A. Peery, T.C. Bjornn, and L.C. Stuehrenberg. 2004. Fallback, Reascension, and Adjusted Fishway Escapement Estimates for Adult Chinook Salmon and Steelhead at Columbia and Snake River Dams. Transactions of the American Fisheries Society 133(4): 932-949.

Bohn, C.C., and J.G. King. 2000. Stream Channel Responses to Streamflow Diversion on Small Streams of the Snake River Drainage, Idaho. Research Paper RMRS-RP-20. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Ft. Collins, Colorado.

Bolam, S.G., and H.L. Rees. 2003. Minimizing Impacts of Maintenance Dredged Material Disposal in the Coastal Environment: A Habitat Approach. Environmental Management 32(2): 171-188.

Bolton, S. and J. Shellberg. 2001. Ecological issues in floodplains and riparian corridors. Submitted to Washington Department of Fish and Wildlife Washington Department of Ecology Washington Department of Transportation. Available at http://www.wsdot.wa.gov/research/reports/fullreports/524.1.pdf (Accessed 2006.10.04).

Bolton, S.M., J. Moss, J. Southard, G. Williams, C. Deblois, and N. Evans. 2002. Juvenile Coho Movement Study. Washington State Transportation Center (TRAC).

Bombace, G., G. Fabi, L. Fiorentini, and S. Speranza. 1994. Analysis of the Efficacy of Artificial Reefs Located in 5 Different Areas of the Adriatic Sea. Bulletin of Marine Science 55(2-3): 559-580.

Bonar, Dr. D.B. 1995. Juvenile Salmonid Outmigration at the Everett Homeport: Effects of Shoreline Shading and Offshore Pile Driving Activities. Aquatic Environmental Services. Final Report to Washington Department of Fish and Wildlife. July 26, 1995.

Bonnell, G. R. 1991. Construction, operation and evaluation of groundwater-fed side channels for chum salmon in British Columbia. Pages 109-124 in Colt, J. and R. J. White, editors. Fisheries bioengineering symposium. American Fisheries Society Symposium 10.

Bonner, T.H. and G.R. Wilde. 2002. Effects of turbidity on prey consumption by prairie stream fishes. Transactions of the American Fisheries Society 131:1203-1208.

Booth, D. B., D. Hartley, and R. Jackson. 2002. Forest cover, impervious-surface area, and the mitigation of stormwater impacts. Journal of the American Water Resources Association 38:835-845.

Booth, D.B. 1990. Stream Channel Incision Following Drainage Basin Urbanization. Water Resources Bulletin 26(3): 407-417.

Booth, D.B. 1991. Urbanization and the Natural Drainage System - Impacts, Solutions, and Prognoses. Northwest Environmental Journal 7: 93-118.

Booth, D.B., and P.C. Henshaw. 2001. Rates of Channel Erosion in Small Urban Streams. In Land Use and Watersheds: Human Influence on Hydrology and Geomorphology in Urban and Forest Areas, edited by M. Wigmosta and S. Burges. AGU Monograph Series, Water Science and Application Volume 2. pp. 17-38.

Booth, D.B., D. Hartley, and R. Jackson. 2002. Forest cover, impervious-surface area, and the mitigation of stormwater impacts. Journal of the American Water Resources Association 38: 835-845.

Bordalo, A.A. 2003. Microbiological Water Quality in Urban Coastal Beaches: The Influence of Water Dynamics and Optimization of the Sampling Strategy. Water Research 37(13): 3233-3241.

Bostrom, C., and J. Mattila. 1999. The Relative Importance of Food and Shelter for Seagrass-Associated Invertebrates: A Latitudinal Comparison of Habitat Choice by Isopod Grazers. Oecologia 120(1): 162-170.

Bottom, D.L., K.K. Jones, T.J. Cornwell, A. Gray, and C.A. Simenstad. 2005. Patterns of Chinook Salmon Migration and Residency in the Salmon River Estuary (Oregon). Estuarine Coastal and Shelf Science 64(1): 79-93.

Botton, M.L., R.E. Loveland, and T.R. Jacobsen. 1994. Site Selection by Migratory Shorebirds in Delaware Bay, and Its Relationship to Beach Characteristics and Abundance of Horseshoe-Crab (Limulus-Polyphemus) Eggs. Auk 111(3): 605-616.

Boussard, A. 1981. The reactions of roach (Rutilus rutilus) and rudd (Scardinius erythrophthalmus) to noises produced by high speed boating. pp. 188-200. In: Proceedings of 2nd British Freshwater Fisheries Conference. Cited in Scholik and Yan 2001a.

Bowen, K.L., N.K. Kaushik, and A.M. Gordon. 1998. Macroinvertebrate Communities and Biofilm Chlorophyll on Woody Debris in Two Canadian Oligotrophic Lakes. Archiv Fur Hydrobiologie 141(3): 257-281.

Bowman, D., and E. Pranzini. 2003. Reversed Responses within a Segmented Detached Breakwater, the Tuscany Coast Italy - a Case Study. Coastal Engineering 49(4): 263-274.

Bowman, M.F., and R.C. Bailey. 1998. Upper pH Tolerance Limit of the Zebra Mussel (Dreissena Polymorpha). Canadian Journal of Zoology-Revue Canadienne De Zoologie 76(11): 2119-2123.

Box, J.B. and J. Mossa. 1999. Sediment, land use and freshwater mussels: prospects and problems. Journal of the North American Bentholological Society 18(1): 99-117.

Box, J.B., D. Wolf, J. Howard, C. O'Brien, D. Nez, and D. Close. 2003. The Distribution and Status of Freshwater Mussels in the Umatilla River System. Portland, Oregon: Bonneville Power Administration. Project No. 2002-037-00. Portland, OR. 74 pp.

Bragg, D.C., and J.L. Kershner. 2004. Sensitivity of a Riparian Large Woody Debris Recruitment Model to the Number of Contributing Banks and Tree Fall Pattern. Western Journal of Applied Forestry 19(2): 117-122.

Bramblett, R.G., M.D. Bryant, B.E. Wright, and R.G. White. 2002. Seasonal Use of Small Tributary and Main-Stem Habitats by Juvenile Steelhead, Coho Salmon, and Dolly Varden in a Southeastern Alaska Drainage Basin. Transactions of the American Fisheries Society 131(3): 498-506.

Brannon, E.L. 1984. Columbia River White Sturgeon (Acipenser Transmontanus) Enhancement, May 1-December 31, 1983 Final Report. DOE/BP-363; R&D Project: 1983-316-00; DE86001932. United States.

Brannon, E.L., M.S. Powell, T.P. Quinn, and A. Talbot. 2004. Population Structure of Columbia River Basin Chinook Salmon and Steelhead Trout. Reviews in Fisheries Science 12(2-3): 99-232.

Braudrick, C.A., and G.E. Grant. 2000. When Do Logs Move in Rivers? Water Resources Research 36(2): 571-583.

Bravard, J., G.M. Kondolf, and H. Piegay. 1999. Environmental and Societal Effects of Channel Incision and Remedial Strategies. In Incised River Channels: Processes, Forms, Engineering, and Management, edited by S.E. Darby and A. Simon. West Sussex, England: Wiley & Sons. pp. 452.

Breitburg, D.L. 1988. Effects of turbidity on prey consumption by striped bass larvae. Transactions of the American Fisheries Society 117:72-77.

Brennan, J. 2004. Riparian Functions and the Development of Management Actions in Marine Nearshore Ecosystems. In Proceedings of the DFO/PSAT Sponsored Marine Riparian Experts Workshop, Tsawwassen, BC, February 17-18, 2004, edited by J.P. Lemieux, J.S. Brennan, M. Farrell, C.D. Levings and D. Myers. Canadian Manuscript Report of the Fisheries and Aquatic Sciences No. 2680.

Brennan, J.S., and H. Culverwell. 2004. Marine Riparian: An Assessment of Riparian Functions in Marine Ecosystems. Published by Washington Sea Grant Program Copyright 2005, UW Board of Regents. Seattle, WA. 34 pp.

Brennan, J.S., K.F. Higgins, J.R. Cordell, and V.A. Stamatiou. 2004. Juvenile Salmon Composition, Timing Distribution, and Diet in Marine Nearshore Waters of Central Puget Sound in 2001-2002. Seattle, Washington: King County Department of Natural Resources and Parks.

Brett, J.R., and C. Groot. 1963. Some Aspects of Olfactory and Visual Responses in Pacific Salmon. Journal of the Fisheries Research Board of Canada 20: 548-559.

Brett, J.R., and M.A. Ali. 1958. Some Observations on the Structure and Photomechanical Responses of the Pacific Salmon Retina. Journal of the Fisheries Research Board of Canada 15: 815-829.

Bricelj, V.M., and R.E. Malouf. 1984. Influence of Algal and Suspended Sediment Concentrations on the Feeding Physiology of the Hard Clam Mercenaria mercenaria. Marine Biology 84(2): 155-165.

Bricelj, V.M., R.E. Malouf, and C. Dequillfeldt. 1984. Growth of Juvenile Mercenaria-Mercenaria and the Effect of Resuspended Bottom Sediments. Marine Biology 84(2): 167-173.

Brickhill, M.J., S.Y. Lee, and R.M. Connolly. 2005. Fishes Associated with Artificial Reefs: Attributing Changes to Attraction or Production Using Novel Approaches. Journal of Fish Biology 67(sb): 53-71.

Brim Box, J.B. and J. Mossa. 1999. Sediment, land use and freshwater mussels: prospects and problems. Journal of the North American Benthological Society 18(1): 99-117.

Brim-Box, J., D. Wolf, J. Howard, C. O'Brien, D. Nez, and D. Close. 2004. Distribution and Status of Freshwater Mussels in the Umatilla River System, 2002-2003 Annual Report, Project No. 200203700, 74 electronic pages (BPA Report DOE/BP-00011402-1). http://www.efw.bpa.gov/publications/I00011402-1.pdf (Accessed 2006.10.04).

Britt, L. 2001. Aspects of the Vision and Feeding Ecology of Larval Lingcod (Ophiodone longatus) and Kelp Greenling (Hexagrammos decagrammus). University of Washington.

Britt, L.L., W. McFarland, and B. Miller. 2001. Short Wavelength Vision in Larval Fishes: A Feeding Adaptation? Puget Sound Conference 2001.

Britt, Lyle L. 2001. Aspects of the vision and feeding ecology of larval lingcod (Ophiodone longatus) and kelp greenling (Hexagrammos decagrammus). M.S. Thesis, University of Washington.

Broadmeadow, S., and T.R. Nisbet. 2004. The Effects of Riparian Forest Management on the Freshwater Environment: A Literature Review of Best Management Practice. Hydrology and Earth System Sciences 8(3): 286-305.

Brock, C.S., P.R. Leavitt, D.E. Schindler, and P.D. Quay. 2007. Variable Effects of Marine-Derived Nutrients on Algal Production in Salmon Nursery Lakes of Alaska During the Past 300 Years. Limnology and Oceanography 52(4): 1588-1598.

Brookes, A. 1988. Channelized Rivers: Perspectives for Environmental Management. John Wiley and Sons. Chichester, U.K. Cited in Bolton and Shellberg 2001.

Brooks, A.P., P.C. Gehrke, J.D. Jansen, and T.B. Abbe. 2004. Experimental Reintroduction of Woody Debris on the Williams River, NSW: Geomorphic and Ecological Responses. River Research and Applications 20(5): 513-536.

Brooks, K.M. 1997. Literature Review, Computer Model and Assessment of the Potential Environmental Risks Associated with Creosote Treated Wood Products Used in Aquatic Environments. Prepared for Western Wood Preservers Institute. April 25, 1995; Revised June 1, 1997. Cited in Brooks 2004.

Brooks, K.M. 2004. Polycyclic Aromatic Hydrocarbon Migration from Creosote-Treated Railway Ties into Ballast and Adjacent Wetlands. Madison, Wisconsin: U.S. Department of Agriculture, Forest Service, Forest Products Laboratory.

Brooks, K.M. 2000. Assessment of the Environmental Effects Associated with Wooden Bridges Preserved With Creosote, Pentachlorophenol, or Chromated Copper Arsenate. Prepared for Dr. Michael Ritter USDA Forest Service, Forest Products Laboratory, One Gifford Pinchot Drive, Madison, WI 53705-2398. Port Townsend, Washington: Aquatic Environmental Sciences.

Brosofske, K.D., J. Chen, R.J. Naiman, and J.F. Franklin. 1997. Harvesting Effects on Microclimatic Gradients from Small Streams to Uplands in Western Washington. Ecological Applications 7(4): 1188-1200.

Browman, H.I., I. Novales-Flamarique, and C.W. Hawryshyn. 1993. Ultraviolet Photoreception Contributes to Prey Research Behavior in Two Species of Zooplanktivorous Fishes. Journal of Experimental Biology 186: 187-98.

Brown, G.W. 1970. Predicting Effect of Clearcutting on Stream Temperature. Journal of Soil and Water Conservation 25(1): 11-13.

Brown, R.S., D.R. Geist, and the Yakama Nation. 2002. Determination of Swimming Speeds and Energetic Demands of Upriver Migrating Fall Chinook Salmon (Oncorhynchus Tshawytscha) in the Klickitat River, Washington. Pacific Northwest Laboratory; Bonneville Power Administration.

Brown, T.G. and G.F. Hartman. 1988. Contribution of seasonally flooded lands and minnow tributaries to the production of coho salmon in Carnation Creek, British Columbia. Transactions of the American Fisheries Society 117:546-551.

Brummer, C.J., T.B. Abbe, J.R. Sampson, and D.R. Montgomery. 2006. Influence of Vertical Channel Change Associated with Wood Accumulations on Delineating Channel Migration Zones, Washington, USA. Geomorphology 80(3-4): 295-309.

Brunet, R.C., G. Pinay, F. Gazelle, and L. Roques. 1994. Role of the Floodplain and Riparian Zone in Suspended Matter and Nitrogen-Retention in the Adour River, South-West France. Regulated Rivers-Research & Management 9(1): 55-63.

Bryan, M.D., and D.L. Scarnecchia. 1992. Species Richness, Composition, and Abundance of Fish Larvae and Juveniles Inhabiting Natural and Developed Shorelines of a Glacial Iowa Lake. Environmental Biology of Fishes 35(4): 329-341.

Bryant, M.D., and J.R. Sedell. 1995. Riparian Forests, Wood in the Water, and Fish Habitat Complexity. In Condition of the World's Aquatic Habitats. Proceedings of the World Fisheries Congress, edited by N.B. Armantrout. New Delhi, India: Oxford & IBH Publishing. pp. 202-224.

Bryant, M.D., T. Gomi, and J.J. Piccolo. 2007. Structures Linking Physical and Biological Processes in Headwater Streams of the Maybeso Watershed, Southeast Alaska. Forest Science 53(2): 371-383.

Buck, E.H. 1995. Acoustic Thermometry of Ocean Climate, Marine Mammal Issues. Report No. 95-603 ENR. Washington DC: Congressional Research Service, Library of Congress.

Buckley, R.M., and G.J. Hueckel. 1985. Biological Processes and Ecological Development on an Artificial Reef in Puget-Sound, Washington. Bulletin of Marine Science 37(1): 50-69.

Buell, J. 1992. Fish Entrainment Monitoring of the Western-Pacific Dredge R.W. Lofgren During Operations Outside the Preferred Work Period. Portland, Oregon.

Buer, K.Y., J.N. Eaves, R.G. Scott, and J.R. McMillan. 1984. Basin Changes Affecting Salmon Habitat in the Sacramento River. Pacific Northwest stream habitat management workshop, Arcata, California.

Buffington, J.M., and D.R. Montgomery. 1999. Effects of hydraulic roughness on surface textures of gravel-bed rivers. Water Resources Research 35: 3523-3530.

Bukaveckas, P. 2007. Effects of Channel Restoration on Water Velocity, Transient Storage, and Nutrient Uptake in a Channelized Stream. Environmental Science and Technology.

Bullard, S.G., G. Lambert, M.R. Carman, J. Byrnes, R.B. Whitlatch, G. Ruiz, R.J. Miller, L. Harris, P.C. Valentine, J.S. Collie, J. Pederson, D.C. McNaught, A.N. Cohen, R.G. Asch, J. Dijkstra, and K. Heinonen. 2007. The Colonial Ascidian Didemnum sp. A: Current Distribution, Basic Biology and Potential Threat to Marine Communities of the Northeast and West Coasts of North America. Journal of Experimental Marine Biology and Ecology 342(1): 99-108.

Bulleri, F., and M.G. Chapman. 2004. Intertidal Assemblages on Artificial and Natural Habitats in Marinas on the Northwest Coast of Italy. Marine Biology 145(2): 381-391.

Bulleri, F., M. Abbiati, and L. Airoldi. 2006. The Colonization of Human-Made Structures by the Invasive Alga Codium fragile ssp tomentosoides in the North Adriatic Sea (NE Mediterranean). Hydrobiologia 555: 263-269.

Bulthuis, D.A., and W.J. Woelkerling. 1983. Biomass Accumulation and Shading Effects of Epiphytes on Leaves of the Seagrass, Heterozostera Tasmanica in Victoria, Australia. Aquatic Botany 16: 137-148.

Bunn, S.E., and A.H. Arthington. 2002. Basic Principles and Ecological Consequences of Altered Flow Regimes for Aquatic Biodiversity. Environmental Management 30(4): 492-507.

Bunn, S.E., P.M. Davies, and M. Winning. 2003. Sources of Organic Carbon Supporting the Food Web of an Arid Zone Floodplain River. Freshwater Biology 48(4): 619-635.

Bunt, C.M., C. Katopodis, and R.S. McKinley. 1999. Attraction and Passage Efficiency of White Suckers and Smallmouth Bass by Two Denil Fishways. North American Journal of Fisheries Management 19(3): 793-803.

Bunte, K. 2004. State of the Science Review - Gravel Mitigation and Augmentation Below Hydroelectric Dams: A Geomorphological Perspective. Fort Collins, Colorado: U.S. Department of Agriculture Forest Service.

Burdick, D.M. and F.T. Short. 1999. The effects of boat docks on eelgrass beds in coastal waters of Massachusetts. Environmental Management 23(2): 231-240.

Burgess, W.C., and S.B. Blackwell. 2003. Acoustic Monitoring of Barrier Wall Installation at the Former Rhône-Poulenc Site, Tukwila, Washington. Tukwila, Washington: Greenridge Sciences, Inc.

Burgner, R.L. 1991. Life History of Sockeye Salmon (Oncorhynchus nerka). In: Groot, C. and L. Margolis [Eds.]. Pacific Salmon Life Histories. UBC Press, Vancouver, B.C.

Burner, L.C., and T.A. Rien. 2002. Incidence of White Sturgeon Deformities in Two Reaches of the Columbia River. California Fish and Game 88(2): 57-67.

Busby, M.S., and R.A. Barnhart. 1995. Potential Food Sources and Feeding Ecology of Juvenile Fall Chinook Salmon in California's Mattole River Lagoon. California Fish and Game 81(4): 133-146.

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. US Department of Commerce, NOAA Technical Memo NMFS-NWFSC-27. Southwest Region, Protected Species Management Division. Long Beach, California. Available at: http://www.nwfsc.noaa.gov/publications/techmemos/tm27/tm27.htm. (Accessed 2006.10.06).

Bustard, D.R. and D.W. Narver. 1975. Aspects of the winter ecology of juvenile coho salmon (Oncorhynchus kisutch) and steelhead (Salmo gairneri). Journal of Fisheries Research Board of Canada 32:667-680.

Butler, D.R., and G.P. Malanson. 1995. Sedimentation-Rates and Patterns in Beaver Ponds in a Mountain Environment. Geomorphology 13(1-4): 255-269.

Butler, D.R., and G.P. Malanson. 2005. The Geomorphic Influences of Beaver Dams and Failures of Beaver Dams. Geomorphology 71(1-2): 48-60.

Byerly, M., S.W. Johnson, M.L. Murphy, and P. Harris. [no date.] Importance of vegetated habitats to juvenile rockfish. [Poster] Available at http://www.afsc.noaa.gov/abl/habitat/images/juvrkpst.jpg. Accessed 2006.10.26.

Byrnes, M.R., and M.W. Hiland. 1995. Large-Scale Sediment Transport Patterns on the Continental-Shelf and Influence on Shoreline Response - St-Andrew-Sound, Georgia to Nassau-Sound, Florida, USA. Marine Geology 126(1-4): 19-43

Byrnes, M.R., R.M. Hammert, T.D. Thibaut, and D.B. Snyder. 2004. Effects of Sand Mining on Physical Processes and Biological Communities Offshore New Jersey, USA. Journal of Coastal Research 20(1): 25-43.

Caceres, I., A. Sanchez-Arcilla, B. Zanuttigh, A. Lamberti, and L. Franco. 2005. Wave overtopping and induced currents at emergent low crested structures. Coastal Engineering 52(10-11): 931-947.

Cada, G., T.J. Carlson, J. Ferguson, M. Richmond, and M. Sale. 1999. Exploring the Role of Shear Stress and Severe Turbulence in Downstream Fish Passage. U.S. Department of Energy, Oak Ridge National Laboratory.

Cada, G.F., and M.J. Sale. 1993. Status of Fish Passage Facilities at Nonfederal Hydropower Projects. Fisheries 18(7): 4-12.

Cada, G.F., M.G. Ryon, D.A. Wolf, and B.T. Smith. 2003. Development of a New Technique to Assess Susceptibility to Predation Resulting from Sublethal Stresses (Indirect Mortality). U.S. Department of Energy. ORNL/TM-2003/195. August 2003.

Cake, E.W., Jr. 1983. Habitat suitability index models: Gulf of Mexico American oyster. FWS/OBS/-82/10.57. US Department of Interior, Fish and Wildlife Service, Washington, D.C.

CALFED. 2005. Key Uncertainties in Gravel Augmentation: Geomorphological and Biological Research Needs for Effective River Restoration. Sacramento, California: CALFED Science Program and Ecosystem Restoration Program Gravel Augmentation Panel.

California Coastal Commission. 2000. W12b. Appeal No. A-1-MEN-00-043.

Camargo, J.A., and N.J. Voelz. 1998. Biotic and Abiotic Changes Along the Recovery Gradient of Two Impounded Rivers with Different Impoundment Use. Environmental Monitoring and Assessment 50: 143-158.

Camargo, J.A., K. Alonso, and M. de la Puente. 2005. Eutrophication Downstream from Small Reservoirs in Mountain Rivers of Central Spain. Water Research 39(14): 3376-3384.

Cameron, W.A., S.M. Knapp, and R.W. Carmichael. 1997. Evaluation of Juvenile Salmonid Bypass Facilities and Passage at Water Diversions on the Lower Umatilla River; 1991-1995 Final Report. Prepared for U.S. Department of Energy, Bonneville Power Administration by Oregon Department of Fish and Wildlife, Portland, Oregon.

Camp, D.K., S.P. Cobb, and J.F. Van Breedveld. 1973. Overgrazing of Seagrasses by a Regular Urchin, Lytechinus Variegatus. Bioscience 23: 37-38.

Canning, D.J., and H. Shipman. 1994. Coastal Erosion Management Studies in Puget Sound, Washington: Executive Summary. Coastal Erosion Management Studies Volume I. Water and Shorelands Resources Program. Report 94-74. Washington Department of Ecology. Olympia, WA.

Canning, D.J., and H. Shipman. 1994. The Cumulative Environmental Effects of Shoreline Erosion Control and Associated Land Clear Practices, Puget Sound, Washington. Coastal

Erosion Management Studies Volume 10. Water and Shorelands Resources Program. Report 94-74. Washington Department of Ecology. Olympia, WA.

Canning, D.J., and M. Stevens. 1989. Wetlands of Washington--a Resource Characterization. Olympia, Washington: Washington State Department of Ecology.

Cardoso, P.G., D. Raffaelli, and M.A. Pardal. 2007. Seagrass Beds and Intertidal Invertebrates: An Experimental Test of the Role of Habitat Structure. Hydrobiologia 575: 221-230.

Cardwell, R.D. and K.L. Fresh. 1979. Predation upon juvenile salmon. State of Washington Department of Fisheries Program Report Draft No. 8.

Cardwell, R.D., and R.R. Koons. 1981. Biological Considerations for the Siting and Design of Marinas and Affiliated Structures in Puget Sound. Olympia, Washington: Washington Department of Fisheries.

Cardwell, R.D., M.I. Carr, S.J. Olsen, and E.W. Sanborn. 1978. Water Quality and Biotic Characteristics of Birch Bay Village Marina in 1977 (October 1, 1976 to December 31, 1977). Olympia, Washington: Washington Department of Fisheries.

Cardwell, R.D., S.J. Olsen, M.I. Carr, and E.W. Sanborn. 1980. Biotic, Water Quality, and Hydrologic Characteristics of Skyline Marina in 1978. Olympia, Washington: Washington State Department of Fish and Wildlife.

Carling, P.A., and N.A. Reader. 1982. Structure, Composition and Bulk Properties of Upland Stream Gravels. Earth Surface Processes and Landforms 7: 349-365.

Carls, M.G., J.E. Hose, R.E. Thomas, and S.D. Rice. 2000. Exposure of Pacific Herring to Weathered Crude Oil: Assessing Effects on Ova. Environmental Toxicology and Chemistry 19(6): 1649-1659.

Carlson, T.J., D.A. Woodruff, G.E. Johnson, N.P. Kohn, G.R. Plosky, M.A. Weiland, J.A. Southard, and S.L. Southard. 2005. Hydroacoustic Measurements During Pile Driving at the Hood Canal Bridge, September through November. 2004. Prepared for Washington State Department of Transportation by Battelle Marine Sciences Laboratory, Sequim, Washington.

Carney, L.T., J.R. Waaland, T. Klinger, and K. Ewing. 2005. Restoration of the Bull Kelp Nereocystis Luetkeana in Nearshore Rocky Habitats. Marine Ecology-Progress Series 302: 49-61.

Carrasquero, J. 2001. Over-Water Structures: Freshwater Issues. Prepared for Washington Department of Fish and Wildlife, Washington Department of Ecology, and Washington Department of Transportation by Herrera Environmental Consultants, Seattle, Washington. April 2001.

Carrasquero, J. Over-Water Structures: Freshwater Issues. White Paper. 2001. Herrera Environmental Consultants. Prepared for: Washington Department of Fish and Wildlife, Washington Department of Ecology, and Washington Department of Transportation. April 12.

Carter, J.A., G.A. McMichael, and M.A. Chamness. 2003. Yakima River Basin Phase II Fish Screen Evaluations, 2002. PNNL-14205. United States.

Castro, J.C. 2003. Geomorphologic Impacts of Culvert Replacement and Removal: Avoiding Channel Incision. Portland, Oregon: U.S. Fish and Wildlife Service. pp. 19.

Caudill, C.C., W.R. Daigle, M.L. Keefer, C.T. Boggs, M.A. Jepson, B.J. Burke, R.W. Zabel, T.C. Bjornn, and C.A. Peery. 2007. Slow Dam Passage in Adult Columbia River Salmonids Associated with Unsuccessful Migration: Delayed Effects of Passage Obstacles or Condition-Dependent Mortality? Canadian Journal of Fisheries and Aquatic Sciences 64(7): 979-995.

Cech, J.J., and C.E. Crocker. 2002. Physiology of Sturgeon: Effects of Hypoxia and Hypercapnia. Journal of Applied Ichthyology 18(4-6): 320-324.

Cederholm, C., R.E. Bilby, P. Bisson, T. Bumstead, B. Fransen, W. Scarlett, and J. Ward. 1997. Response of Juvenile Coho Salmon and Steelhead to Placement of Large Woody Debris in a Coastal Washington Stream. North American Journal of Fisheries Management 17: 947-963.

Cederholm, C.J., D.B. Houston, D.L. Cole, and W.J. Scarlett. 1989. Fate of Coho Salmon (Oncorhynchus Kisutch) Carcasses in Spawning Streams. Canadian Journal of Fisheries and Aquatic Sciences 46(8): 1347-1355.

CEQ (Council on Environmental Quality). 1997. Considering Cumulative Effects Under the National Environmental Policy Act. Council on Environmental Quality, Executive Office of the President, Washington, DC.

Chaloner, D.T., and M.S. Wipfli. 2002. Influence of Decomposing Pacific Salmon Carcasses on Macroinvertebrate Growth and Standing Stock in Southeastern Alaska Streams. Journal of the North American Benthological Society 21(3): 430-442.

Chaloner, D.T., G.A. Lamberti, A.D. Cak, N.L. Blair, and R.T. Edwards. 2007. Inter-Annual Variation in Responses of Water Chemistry and Epilithon to Pacific Salmon Spawners in an Alaskan Stream. Freshwater Biology 52(3): 478-490.

Chaloner, D.T., K.M. Martin, M.S. Wipfli, P.H. Ostrom, and G.A. Lamberti. 2002. Marine Carbon and Nitrogen in Southeastern Alaska Stream Food Webs: Evidence from Artificial and Natural Streams. Canadian Journal of Fisheries and Aquatic Sciences 59(8): 1257-1265.

Chambers, P.A., R.E. DeWreede, E.A. Irlandi, and H. Vandermeulen. 1999. Management Issues in Aquatic Macrophyte Ecology: A Canadian Perspective. Canadian Journal of Botany-Revue Canadienne De Botanique 77(4): 471-487.

Chanseau, M., O. Croze, and M. Larinier. 1999. The Impact of Obstacles on the Pau River (France) on the Upstream Migration of Returning Adult Atlantic Salmon (Salmo salar L.). Bulletin Francais De La Peche Et De La Pisciculture (353-54): 211-237.

Chapman, D. 1996. Efficacy of Structural Manipulations on Instream Habitat in the Columbia River Basin. Northwest Science 5(4): 279-293.

Chapman, D.W. 1988. Critical Review of Variables Used to Define Effects of Fines in Redds of Large Salmonids. Transactions of the American Fisheries Society 117: 1-21.

Chapman, D.W., and E. Knudsen. 1980. Channelization and Livestock Impacts on Salmonid Habitat and Biomass in Small Streams of Western Washington. Transactions of the American Fisheries Society 109: 357-363.

Chapman, M.G., and B.G. Clynick. 2006. Experiments Testing the Use of Waste Material in Estuaries as Habitat for Subtidal Organisms. Journal of Experimental Marine Biology and Ecology 338(2): 164-178.

Charland, J. 1998. Tide Gate Modifications for Fish Passage and Water Quality Enhancement. Garibaldi, Oregon: Tillamook Bay National Estuary Project.

Chen, J.Q., J.F. Franklin, and T.A. Spies. 1992. Vegetation Responses to Edge Environments in Old-Growth Douglas-Fir Forests. Ecological Applications 2(4): 387-396.

Chen, J.Q., J.F. Franklin, and T.A. Spies. 1993. Contrasting Microclimates among Clear-Cut, Edge, and Interior of Old-Growth Douglas-Fir Forest. Agricultural and Forest Meteorology 63(3-4): 219-237.

Chen, J.Q., J.F. Franklin, and T.A. Spies. 1995. Growing-Season Microclimatic Gradients from Clear-Cut Edges into Old-Growth Douglas-Fir Forests. Ecological Applications 5(1): 74-86.

Chen, J.Q., S.C. Saunders, T.R. Crow, R.J. Naiman, K.D. Brosofske, G.D. Mroz, B.L. Brookshire, and J.F. Franklin. 1999. Microclimate in Forest Ecosystem and Landscape Ecology - Variations in Local Climate Can Be Used to Monitor and Compare the Effects of Different Management Regimes. Bioscience 49(4): 288-297.

Chen, L.Y., A.G. Heath, and R.J. Neves. 2001. Comparison of Oxygen Consumption in Freshwater Mussels (Unionidae) from Different Habitats During Declining Dissolved Oxygen Concentration. Hydrobiologia 450(1): 209-214.

Chen, X.Y., X.H. Wei, and R. Scherer. 2005. Influence of Wildfire and Harvest on Biomass, Carbon Pool, and Decomposition of Large Woody Debris in Forested Streams of Southern Interior British Columbia. Forest Ecology and Management 208(1-3): 101-114.

Cheney, D., R. Oestman, G. Volkhardt, and J. Getz. 1994. Creation of Rocky Intertidal and Shallow Subtidal Habitats to Mitigate for the Construction of a Large Marina in Puget-Sound, Washington. Bulletin of Marine Science 55(2-3): 772-782.

Cheng, W., and J.C. Chen. 2000. Effects of pH, Temperature and Salinity on Immune Parameters of the Freshwater Prawn Macrobrachium Rosenbergii. Fish & Shellfish Immunology 10(4): 387-391.

Cheong, T.S., M.L. Kavvas, and E.K. Anderson. 2006. Evaluation of Adult White Sturgeon Swimming Capabilities and Applications to Fishway Design. Environmental Biology of Fishes 77(2): 197-208.

Chester, H., and R. Norris. 2006. Dams and Flow in the Cotter River, Australia: Effects on Instream Trophic Structure and Benthic Metabolism. Hydrobiologia 572: 275-286.

Chisholm, I., M.E. Hensler, B. Hansen, and D. Skaar. 1989. Quantification of Libby Reservoir Levels Needed to Maintain or Enhance Reservoir Fisheries: Summary Report 1983-1985. Portland, Oregon: U.S. Department of Energy, Bonneville Power Administration, Oregon Division of Fish and Wildlife.

Chow, V.T. 1959. Open-Channel Hydraulics. San Francisco: McGraw-Hill.

Christie, M. C. and K.R. Dyner. 1998. Measurements of the turbid tidal edge over the Skeffling mudflats. Pg. 45-55 in K.S. Black, D.M. Patterson, and A. Cramp (eds.), Sedimentary Processes in the Intertidal Zone. London: Geological Society. Cited in Nightingale and Simenstad 2001b.

Chrzastowski, M.J., and T.A. Thompson. 1994. Late Wisconsin and Holocene Geologic History of the Illinois-Indiana Coast of Lake-Michigan. Journal of Great Lakes Research 20(1): 9-26.

Church, M., M.A. Hassan, and J.F. Wolcott. 1998. Stabilizing Self-Organized Structures in Gravel-Bed Stream Channels: Field and Experimental Observations. Water Resources Research 34(11): 3169-3179.

Clark, J. J.S. Banta, and J.A. Zinn. 1980. Coastal Environmental Management: guidelines for conservation of resources and protection against storm hazards. Washington, D.C.: Council on Environmental Quality. 161 p.

Clarke, D.G., and D.H. Wilber. 2000. Assessment of Potential Impacts of Dredging Operations Due to Sediment Resuspension. DOER-E9.

Clarke, D.G., C. Dickerson, and K. Reine. 2002. Characterization of Underwater Sounds Produced by Dredges. Proceedings of the Third Specialty Conference on Dredging and Dredged Material Disposal, Dredging '02, Orlando, Florida.

Clarke, S.J. 2002. Vegetation growth in rivers: influences upon sediment and nutrient dynamics. Progress in Physical Geography 26(2): 159-172.

Clary, W.P., C.I. Thornton, and S.R. Abt. 1996. Riparian Stubble Height and Recovery of Degraded Streambanks. Rangelands 18(4): 137-140.

Clemens, W.A. and G.V. Wilby. 1961. Fishes of the Pacific coast of Canada. Bulletin. Fisheries Research Board of Canada No. 68. 443pp.

Clifford, H.F., G.M. Wiley, and R.J. Casey. 1993. Macroinvertebrates of a Beaver-Altered Boreal Stream of Alberta, Canada, with Special Reference to the Fauna on the Dams. Canadian Journal of Zoology-Revue Canadienne De Zoologie 71(7): 1439-1447.

Close, D.A. 2000. Pacific Lamprey Research and Restoration Project: Annual Report 1998. Prepared for U.S. Department of Energy by Tribal Fisheries Program, Department of Natural Resources, Portland, Oregon. May 2000.

Close, D.A., M.S. Fitzpatrick, D.R. Hatch, A.D. Jackson, H. Li, and B.L. Parker. 1998. Pacific Lamprey Research and Restoration: Annual Report 1997. DOE/BP-39067-3. Portland, Oregon: U.S. Department of Energy, Bonneville Power Administration.

Cluett, L. 2005. The Role of Flooding in Morphological Changes in the Regulated Lower Ord River in Tropical Northwestern Australia. River Research and Applications 21(2-3): 215-227.

Clynick, B.G. 2006. Assemblages of Fish Associated with Coastal Marinas in North-Western Italy. Journal of the Marine Biological Association of the United Kingdom 86(4): 847-852.

Cohen, A., C. Mills, H. Berry, M. Wonham, B. Bingham, B. Bookheim, J. Carlton, J. Chapman, J. Cordell, L. Harris, T. Klinger, A. Kohn, C. Lambert, G. Lambert, K. Li, D. Secord, and J. Toft. 1998. A Rapid Assessment Survey of Non-Indigenous Species in the Shallow Waters of Puget Sound. The Puget Sound Expedition September 8-16, 1998.

Coho, C. and S.J. Burges. 1994. Dam-break floods in low order mountain channels of the Pacific Northwest. Water Resources Series Technical Report No. 138. Olympia, WA: Timber, Fish & Wildlife. http://www.ce.washington.edu/pub/WRS/WRS138, accessed 2006.10.04.

Collen, P., and R.J. Gibson. 2001. The General Ecology of Beavers (Castor Spp.), as Related to Their Influence on Stream Ecosystems and Riparian Habitats, and the Subsequent Effects on Fish - a Review. Reviews in Fish Biology and Fisheries 10(4): 439-461.

Colley, R.H., and J.E. Burch. 1961. A Small-Block Screening Test for Accelerated Evaluation of Wood Preservative for Marine Use. Proceedings of the American Wood Preservers Association. Vol. 57, pp. 1-11. Cited in Stratus 2005a.

Collier, M.P., R.H. Webb, and E.D. Andrews. 1997. Experimental Flooding in the Grand Canyon. Scientific American 276: 82-89.

Collins, B. 2000. Mid-19th Century Stream Channels and Wetlands Interpreted from Archival Sources for Three North Puget Sound Estuaries. LaConner, Washington: Skagit System Cooperative.

Collins, B., and T. Dunne. 1989. Gravel Transport, Gravel Harvesting, and Channel-Bed Degradation in Rivers Draining the Southern Olympic Mountains, Washington, USA. Environmental Geology and Water Science 13: 213-224.

Collins, B.D. 1997. Application of Geomorphology to Planning and Assessment of Riverine Gravel Removal in Washington. In Booth, D. B., Geology and Geomorphology of Stream Channels – Course Manual. University of Washington Center for Urban Water Resources Management, pp. IX-1-IX-46.

Collins, B.D., and D.R. Montgomery. 2002. Forest Development, Wood Jams, and Restoration of Floodplain Rivers in the Puget Lowland, Washington. Restoration Ecology 10: 237-247.

Collins, B.D., and T. Dunne. 1990. Fluvial Geomorphology and River-Gravel Mining- a Guide for Planners, Case Studies Included. California Division of Mine and Geology Special Publication 98.

Collins, B.D., D.R. Montgomery, and A.D. Haas. 2002. Historical Changes in the Distribution and Functions of Large Wood in Puget Lowland Rivers. Canadian Journal of Fisheries and Aquatic Sciences 59(1): 66-76.

Collins, B.D., D.R. Montgomery, and A.J. Sheikh. 2003. Reconstructing the Historical Riverine Landscape of the Puget Lowland. In Restoration of Puget Sound Rivers, edited by D.R. Montgomery, S. Bolton, D.B. Booth and L. Wall. Seattle: University of Washington Press. pp. 79-128.

Contor, D.R., and J.S. Griffith. 1995. Nocturnal Emergence of Juvenile Rainbow Trout from Winter Concealment Relative to Light Intensity. Hydrobiologia 299: 179-183.

Cook, M.A., K.M. Guthrie, M.B. Rust, and P.D. Plesha. 2005. Effects of Salinity and Temperature During Incubation on Hatching and Development of Lingcod Ophiodon Elongatus Girard, Embryos. Aquaculture Research 36(13): 1298-1303.

Cooper, A.B. 1990. Nitrate Depletion in the Riparian Zone and Stream Channel of a Small Headwater Catchment. Hydrobiologia 202(1-2): 13-26.

Cooper, A.C. 1965. The Effects of Transported Stream Sediments on the Survival of Sockeye and Pink Salmon Eggs and Alevins. International Pacific Salmon Fisheries Commission Bulletin 18. 71p.

Cooper, K., S. Boyd, J. Aldridge, and H. Rees. 2007. Cumulative Impacts of Aggregate Extraction on Seabed Macro-Invertebrate Communities in an Area Off the East Coast of the United Kingdom. Journal of Sea Research 57(4): 288-302.

Cooper, P.A. 1991. Leaching of Wood Preservatives from Treated Wood in Service. Prepared for Public Works Canada, Ottawa, Ontario. January. Cited in Stratus 2005a.

Coops, H., N. Geilen, H.J. Verheij, R. Boeters, and G. van der Velde. 1996. Interactions between waves, bank erosion and emergent vegetation: an experimental study in a wave tank. Aquatic Botany 53(3): 187-198.

Copeland, R. R., D. S. Biedenharn, and J. C. Fischenich. 2000. Channel-forming discharge. U.S. Army Corps of Engineers ERDC/CHL CHETN-VIII-5. 10pp.

Copeland, R.R., D.N. McComas, C.R. Thorne, P.J. Soar, M.M. Jonas, and J.B. Fripp. 2001. Hydraulic design of stream restoration projects. U.S. Army Corps of Engineers Engineer Research and Development Center: Coastal and Hydraulics Laboratory ERDC/CHL TR-01-28.

Copeland, R.R., D.S. Biedenharn, and J.C. Fischenich. 2000. Channel-forming discharge. U.S. Army Corps of Engineers ERDC/CHL CHETN-VIII-5. 10pp.

Copeland, Ronald R., Dinah N. McComas, Colin R. Thorne, Philip J. Soar, Meg M. Jonas, and Jon B. Fripp. 2001. Hydraulic Design of Stream Restoration Projects. U.S. Army Corps of Engineers Engineer Research and Development Center: Coastal and Hydraulics Laboratory ERDC/CHL TR-01-28.

Cordell, J.R. 1986. Structure and Dynamics of an Epibenthic Harpacticoid Assemblage and the Role of Predation by Juvenile Salmon. Seattle, Washington: University of Washington.

Cordone, A.J. and D.W. Kelly. 1961. The influence of inorganic sediment on the aquatic life of streams. California Fish and Game. 47:189-228.

Cordova, J.M., E.J. Rosi-Marshall, A.M. Yamamuro, and G.A. Lamberti. 2007. Quantity, Controls and Functions of Large Woody Debris in Midwestern USA Streams. River Research and Applications 23(1): 21-33.

COSEWIC (Committee on the Status of Endangered Wildlife in Canada). 2003. Rocky Mountain Ridge Mussel, Gonidea Angulata. Status Report. Ottawa, Ontario: Canadian Wildlife Service, Environment Canada.

Couch, D., and T.J. Hassler. 1990. Species Profiles: Life Histories and Environmental Requirements of Coastal Fishes and Invertebrates (Pacific Northwest) Olympia Oyster. PBS Record: 115470. U.S. Army Corps of Engineers and U.S. Fish and Wildlife Service.

Coughlin, D.J., and C.W. Hawryshyn. 1993. Ultraviolet Sensitivity in the Torus Semicurcularis of Juvenile Rainbow Trout (Oncorhynchus Mykiss). Vision Research 34: 1407-1413.

Counihan, T.D., A.I. Miller, M.G. Mesa, and M.J. Parsley. 1998. The Effects of Dissolved Gas Supersaturation on White Sturgeon Larvae. Transactions of the American Fisheries Society 127(2): 316-322.

- Coutant, C.C. 2004. A Riparian Habitat Hypothesis for Successful Reproduction of White Sturgeon. Reviews in Fisheries Science 12(1): 23-73.
- Cowan, L. 1991. Physical characteristics and intragravel survival of chum salmon in developed and natural groundwater channels in Washington. Pages 125-131 in Colt, J. and R. J. White, editors. Fisheries bioengineering symposium. American Fisheries Society Symposium 10.
- Cowx, I.G. and R.L. Welcomme (eds), 1998. Rehabilitation of Rivers for Fish. Fishing News Books, Oxford. 160p. Cited in Petr 2000.
- Cox, J., K. McDonald and T. Rigert. 1994. Engineering and Geotechnical Techniques for Shoreline Erosion Management in Puget Sound. Coastal Erosion Management Studies, Volume 4. Report 94-77. Shorelands and Coastal Zone Management Program, Washington Department of Ecology, Olympia, WA.
- Cox, M., P.H. Rogers, A.N. Popper, and W.M. Saidel. 1987. Anatomical Effects of Intense Tone Stimulation in the Goldfish Ear: Dependence on Sound-Pressure Level and Frequency. Journal of the Acoustical Society of America 81(Suppl. 1): S7.
- Crain, P.K., K. Whitener, and P.B. Moyle. 2004. Use of a Restored Central California Floodplain by Larvae of Native and Alien Fishes. American Fisheries Society Symposium 39: 125-140.
- Cramer, M., K. Bates, D. Miller, K. Boyd, L. Fotherby, P. Skidmore, and T. Hoitsma. 2003. Integrated Streambank Protection Guidelines. Co-published by the Washington departments of Fish & Wildlife, Ecology, and Transportation. Olympia, Washington. 435 pp. http://www.wdfw.wa.gov/hab/ahg/strmbank.htm
- Crecelius, E.A., D.L. Woodruff, and M.S. Meyers. 1989b. 1988 Reconnaissance Survey of Environmental Conditions in 13 Puget Sound Locations. Battelle Marine Science Laboratory.
- Crecelius, E.A., T.J. Fortman, S.L. Kiesser, C.W. Apts, and O.A. Cotter. 1989a. Survey of Contaminants in Two Puget Sound Marinas. Battelle Marine Science Laboratory.
- Creque, S.M., M.J. Raffenberg, W.A. Brofka, and J.M. Dettmers. 2006. If you build it, will they come? Fish and angler use at a freshwater artificial reef. North American Journal of Fisheries Management 26(3): 702-713.
- Crocker, C.E., and J.J. Cech. 1997. Effects of Environmental Hypoxia on Oxygen Consumption Rate and Swimming Activity in Juvenile White Sturgeon, Acipenser transmontanus, in Relation to Temperature and Life Intervals. Environmental Biology of Fishes 50(4): 383-389.
- Croft, A.R., and J.A. Adams. 1950. Landslides and sedimentation on the North Fork of Ogden River. USDA Forest Service Intermountain Forest & Range Experimental Station Research Paper INT-21, 4 p., illus.

Cuffey, K.M. 2002. Freshwater mussels in a California North Coast Range river: occurrence, distribution, and controls. University of California Water Resources Center Technical Completion Reports. http://repositories.cdlib.org/wrc/tcr/cuffey. (Accessed 2006.10.04).

Cummins, K.W. 1975. Macroinvertebrates. In River Ecology, edited by B.A. Whitton. Oxford, England: Blackwell Scientific Publications. pp. 170-198.

Curran, J.H., and E.E. Wohl. 2003. Large Woody Debris and Flow Resistance in Step-Pool Channels, Cascade Range, Washington. Geomorphology 51(1-3): 141-157.

Cushing, C.E., and J.D. Allan. 2001. Streams: Their Ecology and Life. San Diego, California: Academic Press.

Cyrus, D.P. and S.J.M. Blaber. 1987. The influence of turbidity on juvenile marine fishes in estuaries. Part 2. Laboratory studies, comparisons with field data and conclusions. Journal of Experimental Marine Biology and Ecology 109:71-91.

da Silva, J.F., and R.W. Duck. 2001. Historical Changes of Bottom Topography and Tidal Amplitude in the Ria De Aveiro, Portugal - Trends for Future Evolution. Climate Research 18(1-2): 17-24.

Dadswell, M.J. 1996. The Removal of Edwards Dam, Kennebec River, Maine: Its Effects on the Restoration of Anadromous Fishes. Draft environmental impact statement.

Dadswell, M.J., G.D. Melvin, and P.J. Williams. 1983. Effect of turbidity on the temporal and spatial utilization of the inner Bay of Fundy by American shad (Alosa sapidissima) (Pisces:Clupeidae) and its relationship to local fisheries. Canadian Journal of Fisheries and Aquatic Sciences 40(Supplement 1):330-332.

Dahl, T.E. 1990. Wetland Losses in the United States 1780's to 1980's. Washington, DC: U.S. Department of the Interior, Fish and Wildlife Service.

Dalbey, S.R., T.E. McMahon, and W. Fredenberg. 1996. Effect of Electrofishing Pulse Shape and Electrofishing-Induced Spinal Injury to Long-Term Growth and Survival of Wild Rainbow Trout. North American Journal of Fisheries Management 16: 560-569.

Dale, R.K., and D.C. Miller. 2007. Spatial and temporal patterns of salinity and temperature at an intertidal groundwater seep. Estuarine Coastal and Shelf Science 72(1-2): 283-298.

Danley, M.L., S.D. Mayr, P.S. Young, and J.J. Cech Jr. 2002. Swimming Performance and Physiological Stress Responses of Splittail Exposed to a Fish Screen. North American Journal of Fisheries Management 22(4): 1241-1249.

Dawes, C. J., R. C. Phillips, and G. Morrison. 2004. Seagrass communities of the gulf coast of Florida: status and ecology. Florida Fish and Wildlife Conservation Commission Fish and Wildlife Research Institute and the Tampa Bay Estuary Program. St. Petersburg, FL. Iv + 74 pp.

de Croux, P., M. Julieta, and A. Loteste. 2004. Lethal Effects of Elevated pH and Ammonia on Juveniles of Neotropical Fish Colosoma Macropomum (Pisces, Caracidae). Journal of Environmental Biology 25(1): 7-10.

Dean, R.G. 1986. Coastal Armoring: Effects, Principles, and Mitigation. Proceedings of Conference, American Society of Civil Engineers, pp. 1843-1857.

Dean, R.G., and R.A. Dalrymple. 2002. Coastal Processes with Engineering Applications. Cambridge, UK: Cambridge University Press.

deBruyn, A.M.H., D.J. Marcogliese, and J.B. Rasmussen. 2003. The Role of Sewage in a Large River Food Web. Canadian Journal of Fisheries and Aquatic Sciences 60(11): 1332-1344.

Demir, H., E.N. Otay, P.A. Work, and O.S. Borekci. 2004. Impacts of Dredging on Shoreline Change. Journal of Waterway Port Coastal and Ocean Engineering-ASCE 130(4): 170-178.

Dennison, W.C. 1987. Effects of Light on Seagrass Photosynthesis, Growth and Depth Distribution. Aquatic Botany 27: 15-26.

Dennison, W.C., R.J. Orth, K.A. Moore, J.C. Stevenson, V. Carter, S. Kollar, P.W. Bergstrom, and R.A. Batiuk. 1993. Assessing Water Quality with Submersed Aquatic Vegetation. Bioscience 43: 86-94.

Dernie, K.M., M.J. Kaiser, E.A. Richardson, and R.M. Warwick. 2002. Recovery of Soft Sediment Communities and Habitats Following Physical Disturbance. Journal of Experimental Marine Biology and Ecology 4069: 1-20.

Desbonnet, A., L.P. Pogue, D. Resiss, J. Boyd, J. Williams, and M. Imperial. 1995. Development of Coastal Vegetated Buffer Programs. Coastal Management 23: 91-109.

Desbonnet, A., P. Pogue, V. Lee, and N. Wolff. 1994. Vegetated Buffers in the Coastal Zone - a Summary Review and Bibliography. University of Rhode Island Graduate School of Oceanography.

Desjardin. 2003. Personal Communication as Cited in WSDOT 2006, Biological Assessment Preparation for Transportation Projects, Advanced Training Manual. Version 6. Olympia, Washington: Washington State Department of Transportation.

Dethier, M.N. 2006. Native Shellfish in Nearshore Ecosystems of Washington State. Technical Report 2006-04.

DeVries, P. 1997. Riverine salmonid egg burial depths: Review of published data and implications for scour studies. Canadian Journal of Fisheries and Aquatic Sciences 54:1685-1698.

Dewson, Z.S., A.B.W. James, and R.G. Death. 2007. Invertebrate Responses to Short-Term Water Abstraction in Small New Zealand Streams. Freshwater Biology 52(2): 357-369.

DFO (Department of Fisheries and Oceans Canada). 2007. Concrete Wash Water: Characteristics. Available at: http://www-heb.pac.dfo-mpo.gc.ca/water_quality/fish_and_pollution/conc_char_e.htm (accessed June 3, 2007).

Dias, J.M.A., and W.J. Neal. 1992. Sea Cliff Retreat in Southern Portugal - Profiles, Processes, and Problems. Journal of Coastal Research 8(3): 641-654.

Diaz, R.J., G.R. Cutter, and C.H. Hobbs. 2004. Potential Impacts of Sand Mining Offshore of Maryland and Delaware: Part 2 - Biological Considerations. Journal of Coastal Research 20(1): 61-69.

Dickerson, C., K.J. Reine, and D.G. Clarke. 2001. Characterization of Underwater Sounds Produced by Bucket Dredging Operations, DOER Technical Notes Collection (ERDC-TN-DOER-E14). Vicksburg, Mississippi: U.S. Army Engineer Research and Development Center.

Diederich, S. 2006. High Survival and Growth Rates of Introduced Pacific Oysters May Cause Restrictions on Habitat Use by Native Mussels in the Wadden Sea. Journal of Experimental Marine Biology and Ecology 328(2): 211-227.

Dietrich, W.E. and T. Dunne. 1993. The channel head. Pp. 175-219 in K. Beven and M.J. Kirkby (eds.), Channel Network Hydrology, J. Wiley and Sons.

Dietrich, W.E., J.W. Kirchner, H. Ikeda, and F. Iseya. 1989. Sediment Supply and Development of Coarse Surface Layer in Gravel Bedded Rivers. Nature 340(6230): 215-217.

Diez, J.R., S. Larranaga, A. Elosegi, and J. Pozo. 2000. Effect of Removal of Wood on Streambed Stability and Retention of Organic Matter. Journal of the North American Benthological Society 19(4): 621-632.

Dill, L.M., R.C. Ydenberg, and A.H.G. Fraser. 1981. Food Abundance and Territory Size in Juvenile Coho Salmon (Oncorhynchus kisutch). Canadian Journal of Zoology 59: 1801-1809.

Dobkowski, A.H. 1998. Dumptrucks Versus Dredges: An Economic Analysis of Sand Sources for Beach Nourishment. Coastal Management 26(4): 303-314.

Doeg, T.J., and J.D. Koehn. 1994. Effects of Draining and Desilting a Small Weir on Downstream Fish and Macroinvertebrates. Regulated Rivers-Research & Management 9(4): 263-277.

DOI (U.S. Department of the Interior). 1995. Final Environmental Impact Statement: Elwha River Ecosystem Restoration, Olympic National Park, Washington. Department of the Interior.

Dollar, E.S.J. 2000. Fluvial geomorphology. Progress in Physical Geography 24(3): 385-406.

Dolloff, C.A. 1986. Effects of Stream Cleaning on Juvenile Coho Salmon and Dolly Varden in Southeast Alaska. Transactions of the American Fisheries Society 115(5): 743-755.

Donahue, I and K. Irvine. 2003. Effects of sediment particle size composition on survivorship of benthic invertebrates from Lake Tanganyika, Africa. Archive fuer Hydrobiolgie. 157:131-144.

Dooley, K.M., C.F. Knopf, and R.P. Gambrell. 1999. Final Report: pH-Neutral Concrete for Attached Microalgae and Enhanced Carbon Dioxide Fixation - Phase I. Louisiana State University, Baton Rouge, Louisiana.

Dorn, P., L. Johnson, and C. Darby. 1979. The Swimming Performance of Nine Species of Common California Inshore Fishes. Transactions of the American Fisheries Society 108(4): 366-372.

Downing, J. 1983. The coast of Puget Sound: Its processes and development. Washington Sea Grant Program. University of Washington Press, Seattle, Washington. 126pp.

Downing, J.A. 1984. Assessment of Secondary Production: The First Step. In A Manual on Methods for the Assessment of Secondary Productivity in Fresh Waters, edited by J.A. Downing and F.H. Rigler. Oxford, England: Blackwell Scientific Publications.

Downing, J.A., Y. Rochon, M. Perusse, and H. Harvey. 1993. Spatial Aggregation, Body Size, and Reproductive Success in the Freshwater Mussel Elliptio Complanata. Journal of the North American Benthological Society 12: 148-156.

Dowty, P., B. Reeves, H. Berry, S. Wyllie-Echeverria, T. Mumford, A. Sewell, P. Milos, and R. Wright. 2005. Puget Sound Submerged Vegetation Monitoring Project 2003-2004 Monitoring Report. Olympia, Washington: Washington State Department of Natural Resources. Puget Sound Ambient Monitoring Program.

Doyle, M.W., E.H. Stanley, and J.M. Harbor. 2002. Geomorphic Analogies for Assessing Probable Channel Response to Dam Removal. Journal of the American Water Resources Association 38(6): 1567-1579.

Doyle, M.W., E.H. Stanley, and J.M. Harbor. 2003. Channel Adjustments Following Two Dam Removals in Wisconsin. Water Resources Research 39(1): 1-15.

Drinkwater, K.F., and K.T. Frank. 1994. Effects of River Regulation and Diversion on Marine Fish and Invertebrates. Aquatic Conservation-Marine and Freshwater Ecosystems 4(2): 135-151.

Duchrow, R.M., and W.H. Everhart. 1971. Turbidity measurement. Transactions of the American Fisheries Society 4: 682-690.

Dudley, S.J., J.C. Fischenich, and S.R. Abt. 1998. Effect of Woody Debris Entrapment on Flow Resistance. Journal of the American Water Resources Association 34(5): 1189-1197.

Duffy-Anderson, J. T., and K.W. Able. 1999. Effects of municipal piers on the growth of juvenile fishes in the Hudson River Estuary: a study across a pier edge. Marine Biology 133(3): 409-418. Cited in Nightingale and Simenstad 2001b.

Duke, J.R., J.D. White, P.M. Allen, and R.S. Muttiah. 2007. Riparian Influence on Hyporheic-Zone Formation Downstream of a Small Dam in the Blackland Prairie Region of Texas. Hydrological Processes 21(2): 141-150.

Dunn, J.R., and A.C. Matarese. 1987. A Review of Early Life History of Northeast Pacific Gadoid Fishes. Fisheries Research 5: 163-184. Cited in NRC 2001.

Dunne, T., and L.B. Leopold. 1978. Water in Environmental Planning. San Francisco: WH Freeman Co., pp. 590-594 and 693-695.

Dunne, T., W.E. Dietrich, N.F. Humphrey, and D.W. Tubbs. 1981. Geologic and Geomorphic Implications for Gravel Supply. Proceedings of the Conference on Salmon Spawning Gravel: A renewable resource in the Pacific Northwest? Pullman, Washington, pp. 75-100.

Durako, M.J., M.O. Hall, F. Sargent, and S. Peck. 1992. Propeller scars in seagrass beds: an assessment and experimental study of recolonization in Weedon Island State Preserve, Flordia. Pp. 42-53 in Webb, F.J., Jr. (ed), Proceedings of the Nineteenth Annual Conference of Wetlands Restoration and Creation, Hillsborough Community College, Tampa, FL. Cited in Dawes et al. 2004.

DWR (California Department of Water Resources). 2004. Merced River Gravel Augmentation Project: Monitoring Report. Sacramento, California: California Department of Water Resources, San Joaqauin District.

Dwyer, W.P. and R.G. White. 1997. Effect of Electroshock on Juvenile Arctic Grayling and Yellowstone Cutthroat Trout Growth 100 Days after Treatment. North American Journal of Fisheries Management 17:174-177

Dykaar, B.D., and P.J. Wigington. 2000. Floodplain Formation and Cottonwood Colonization Patterns on the Willamette River, Oregon, USA. Environmental Management 25: 87-104.

Ead, S.A., N. Rajaratnam, C. Katopodis, and F. Ade. 2000. Turbulent Open-Channel Flow in Circular Corrugated Culverts. Journal of Hydraulic Engineering 126(10): 750-757.

Ebersole, J.L., W.J. Liss, and C.A. Frissell. 2003. Cold Water Patches in Warm Streams: Physicochemical Characteristics and the Influence of Shading. Journal of the American Water Resources Association 39(2): 355-368.

Ebersole, J.L., W.J. Liss, and C.A. Frissell. 2003. Thermal Heterogeneity, Stream Channel Morphology, and Salmonid Abundance in Northeastern Oregon Streams. Canadian Journal of Fisheries and Aquatic Sciences 60(10): 1266-1280.

Eby, L.A., L.B. Crowder, C.M. McClellan, C.H. Peterson, and M.J. Powers. 2005. Habitat Degradation from Intermittent Hypoxia: Impacts on Demersal Fishes. Marine Ecology-Progress Series 291: 249-261.

Ecology (Washington State Department of Ecology). 1992. Focus--Wetlands in Washington State publication F-S-92-108. Olympia, Washington: Washington State Department of Ecology.

Ecology (Washington State Department of Ecology). 1992. Statewide Water Quality Assessment, 305(B) Report. Publication 92-04. Olympia, Washington: Washington State Department of Ecology.

Ecology (Washington State Department of Ecology). 1999. Working in the Water. Pub.#99-06. Available at http://www.ecy.wa.gov/biblio/9906.html (Accessed 2006.10.04).

Ecology (Washington State Department of Ecology). 2000. Alternative Mitigation Policy Guidance Interagency Implementation Agreement. Ecology Publication No. 02-06-007. February 2000.

Ecology (Washington State Department of Ecology). 2002. Evaluating Criteria for the Protection of Freshwater Aquatic Life in Washington's Surface Water Quality Standards, Dissolved Oxygen: Draft Discussion White Paper and Literature Summary. Publication Number 00-10-071. Olympia, Washington: Washington State Department of Ecology.

Ecology (Washington State Department of Ecology). 2004. Stormwater Management Manual for Eastern Washington. Publication No. 04-10-076.

Ecology (Washington State Department of Ecology). 2005. Stormwater Management Manual for Western Washington. Publication No. 05-10-30.

Ecology (Washington State Department of Ecology). 2005. Wetlands in Washington State - Volume 1: A Synthesis of the Science. Publication Number 05-06-006. Olympia, Washington: Washington State Department of Ecology.

Edinger, J.E., and V. S. Kolluru. 2000. Power Plant Intake Entrainment Analysis. Journal of Energy Engineering-ASCE 126 (1): 1-14.

Edwards, R.T. 1998. The Hyporheic Zone. In River Ecology and Management: Lessons from the Pacific Coastal Ecoregion, edited by R.J. Naiman and R.E. Bilby. New York: Springer-Verlag.

Eilers, H.P. III. 1975. Plants, plant communities, net production and tide levels: the ecological biogeography of the Nehalem salt marshes, Tillamook County, Oregon. Ph.D. thesis, Oregon State University, Corvallis. 368 pp. 7-47.

Eisler, R. 1998. Copper Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review. U.S. Dept. of Interior, U.S. Geological Survey.

El-Asmar, H.M., and K. White. 2002. Changes in Coastal Sediment Transport Processes Due to Construction of New Damietta Harbour, Nile Delta, Egypt. Coastal Engineering 46(2): 127-138.

Elliott, S.T. 1986. Reduction of a Dolly Varden Population and Macrobenthos after Removal of Logging Debris. Transactions of the American Fisheries Society 115(3): 392-400.

Ellis, M. M. 1936. Erosion silt as a factor in aquatic environments. Ecology 17(1):29–42. Cited in Tucker and Theiling 1998.

Ellis, M.M. 1942. Fresh-Water Impoundments. Transactions of the American Fisheries Society, 71st Annual Meeting, pp. 80-93.

Embrey, S.S., and P.W. Moran. 2006. Quality of Streamwater in the Puget Sound Basin—a Decade of Study and Beyond [Poster]. Toxics in Puget Sound: Connecting Marine Environment to Human Health and the Economy, Puget Sound Action Team Forum, Seattle, Washington, April 5, 2006.

Emmett, R.L., S.L. Stone, S.A. Hinton, and M.E. Monaco. 1991. Distribution and abundance of fishes and invertebrates in west coast estuaries, Volume II: Species life history summaries. NOAA/NOS Strategic Environmental Assessments Division. Rockville, Maryland. ELMR Rept. No. 8. 329pp. Cited in NRC 2001.

Enger, P.S. 1981. Frequency Discrimination in Teleosts - Central or Peripheral? In Hearing and Sound Communication in Fishes, edited by W.N. Tavolga, A.N. Popper and R.R. Fay. New York: Springer-Verlag. pp. 243-255.

Ensign, S.H., and M.W. Doyle. 2005. In-Channel Transient Storage and Associated Nutrient Retention: Evidence from Experimental Manipulations. Limnology and Oceanography 50(6): 1740-1751.

Environment Canada. 1992. Interim Criteria for Quality Assessment of St. Lawrence River Sediment. St. Lawrence Action Plan. July. Cited in Stratus 2005b.

Erftemeijer, P.L.A., and R.R.R. Lewis. 2006. Environmental Impacts of Dredging on Seagrasses: A Review. Marine Pollution Bulletin 52(12): 1553-1572.

Erickson, D.L., J.A. North, J.E. Hightower, J. Weber, and L. Lauck. 2002. Movement and Habitat Use of Green Sturgeon Acipenser medirostris in the Rogue River, Oregon, USA. Journal of Applied Ichthyology 18(4-6): 565-569.

Eriksson, B.K., A. Sandstrom, M. Isaeus, H. Schreiber, and P. Karas. 2004. Effects of Boating Activities on Aquatic Vegetation in the Stockholm Archipelago, Baltic Sea. Estuarine Coastal and Shelf Science 61(2): 339-349.

Erskine, W.D., and A.A. Webb. 2003. Desnagging to Resnagging: New Directions in River Rehabilitation in Southeastern Australia. River Research and Applications 19(3): 233-249.

Eschmeyer, W.N., E.S. Herald, and H. Hammon. 1983. A field guide to Pacific Coast fishes of North America. Boston: Houghton Mifflin. 336pp.

Everest, F.H., R.L. Beschta, J.C. Schrivener, K.V. Koski, J.R. Sedell, and C.J. Cederholm. 1987. Chapter 4. Fine sediment and salmonid production: A paradox. P. 98-142 in E.O. Salo and T.W. Cundy (eds), Streamside Management: Forestry and Fishery Interactions. University of Washington, Institute of Forest Resources. Contribution No. 57.

Everett, P.O. 2006. Getting to Know Your Port. Available at: http://www.portofeverett.com/docs/52982_port_of_everett_facts_lo.pdf (accessed August 8, 2007).

Everett, R.A., and G.M. Ruiz. 1993. Coarse Woody Debris as a Refuge from Predation in Aquatic Communities. Oecologia 93(4): 475-486.

Everts, C.H. 1985. Effects of Small Protective Devises on Beach. California's Battered Coast: Proceedings of Conference on Coast Erosion, California Coastal Commission, pp. 127-137.

Fabi, G., S. Manoukian, and A. Spagnolo. 2006. Feeding Behavior of Three Common Fishes at an Artificial Reef in the Northern Adriatic Sea. Bulletin of Marine Science 78(1): 39-56.

Fausch, K.D., and T.G. Northcote. 1992. Large woody debris and salmonid habitat in a small coastal British Columbia stream. Canadian Journal of Fisheries and Aquatic Sciences. 49:682-693.

Fausch, K.D., C. Gowan, A.D. Richmond, and S.C. Riley. 1995. The Role of Dispersal in Trout Population Response to Habitat Formed by Large Woody Debris in Colorado Mountain Streams. Bulletin Français De La Peche Et De La Pisciculture (337-9): 179-190.

Faustini, J.M., and J.A. Jones. 2003. Influence of Large Woody Debris on Channel Morphology and Dynamics in Steep, Boulder-Rich Mountain Streams, Western Cascades, Oregon. Geomorphology 51(1-3): 187-205.

Fay, R.R. 1988. Peripheral Adaptations for Spatial Hearing in Fish. In Sensory Biology of Aquatic Animals, New York: Springer-Verlag. pp. 711-731.

Fay, R.R. and A.N. Popper (eds.). 1999. Comparative hearing: fish and amphibians. New York: Springer-Verlag.

Fayram, A.H. 1996. Impacts of largemouth bass (Micropterus salmoides) and smallmouth bass (Micropterus dolomieui) predation on populations of juvenile salmonids in Lake Washington. M.S. thesis,. University of Washington, School of Fisheries, Seattle.

Fayram, A.H. and T.H. Sibley. 2000. Impact of predation by smallmouth bass on sockeye salmon in Lake Washington. North American Journal of Fisheries Management 20: 81–89. Cited in Carrasquero 2001.

- Feist, B.E. 1991. Potential impacts of pile driving on juvenile pink (Oncorhynchus gorbuscha) and chum (O. keta) salmon behavior and distribution. M.S. Thesis, University of Washington School of Fisheries.
- Feist, B.E., J. Anderson, and R. Miyamoto. 1992. Potential impacts of pile driving on juvenile pink (Onchorhynchus gorbuscha) and chum (O. keta) salmon behavior and distribution. Pound Sounds Final Report. University of Washington, Seattle, WA.
- Feist, G.W., M.A.H. Webb, D.T. Gundersen, E.P. Foster, C.B. Schreck, A.G. Maule, and M.S. Fitzpatrick. 2005. Evidence of Detrimental Effects of Environmental Contaminants on Growth and Reproductive Physiology of White Sturgeon in Impounded Areas of the Columbia River. Environmental Health Perspectives 113(12): 1675-1682.
- Feller, M.C. 2005. Forest Harvesting and Streamwater Inorganic Chemistry in Western North America: A Review. Journal of the American Water Resources Association 41(4): 785-811.
- FERC (Federal Energy Regulatory Commission). 2005. Final Environmental Impact Statement Volume I Capacity Replacement Project. Docket Nos. CP05-32-000, -001 FERC/EIS 0178. Chapter 4 only. http://www.ecy.wa.gov/programs/sea/nw_capacity_replacement/, accessed 2006.10.04.
- Ferguson, J., J. Williams, and Ed Meyer. 2002. Recommendations For Improving Fish Passage at the Stornorrfors Power Station on the Umealven, Umea Sweden, Report submitted to the Vindel River Fishery Advisory Board Umea, Sweden.
- Fernald, A.G., D.H. Landers, and P.J. Wigington. 2006. Water Quality Changes in Hyporheic Flow Paths between a Large Gravel Bed River and Off-Channel Alcoves in Oregon, USA. River Research and Applications 22(10): 1111-1124.
- Ferraro, S.P., and F.A. Cole. 2007. Benthic Macrofauna-Habitat Associations in Willapa Bay, Washington, USA. Estuarine Coastal and Shelf Science 71(3-4): 491-507.
- Fetherston, K.L., R.J. Naiman, and R.E. Bilby. 1995. Large Woody Debris, Physical Process, and Riparian Forest Development in Montana River Networks of the Pacific-Northwest. Geomorphology 13(1-4): 133-144.
- Feyrer, F., T. Sommer, and W. Harrell. 2006. Importance of Flood Dynamics Versus Intrinsic Physical Habitat in Structuring Fish Communities: Evidence from Two Adjacent Engineered Floodplains on the Sacramento River, California. North American Journal of Fisheries Management 26(2): 408-417.
- Feyrer, F., T. Sommer, and W. Harrell. 2006. Managing Floodplain Inundation for Native Fish: Production Dynamics of Age-0 Splittail (Pogonichthys Macrolepidotus) in California's Yolo Bypass. Hydrobiologia 573: 213-226.

Fields, P.E. 1966. Final report on migrant salmon light guiding studies (Contract No. D.A.-45-108 CIVENG-63-29) at Columbia River Dams. University of Washington. College of Fisheries. Report for the Fisheries Engineering Research Program. U.S. Army Engineer Division, North Pacific Corps of Engineers, Portland, OR. Cited in Simenstad et al. 1999, and in Nightingale and Simenstad 2001b.

Fields, P.E., and G.L. Finger. 1954. The Reaction of Five Species of Young Pacific Salmon and Steelhead Trout to Light. Seattle, Washington: University of Washington, School of Fisheries.

Finlayson, D. 2006. The Geomorphology of Puget Sound Beaches. Ph.D. Thesis, University of Washington, Seattle, 216 pp.

Finstad, A.G., S. Einum, T. Forseth, and O. Ugedal. 2007. Shelter Availability Affects Behaviour, Size-Dependent and Mean Growth of Juvenile Atlantic Salmon. Freshwater Biology 52: 1710-1718.

Fischenich, J.C. 2001. Impacts of stabilization measures. EMRRP Technical notes Collection (ERDC TN-EMRRP-SR-32), U.S. Army Engineer Research and Development Center, Vicksburg, MS. www.wes.army.mil/el/emrrp

Fischenich, J.C. 2003. Effects of riprap on riverine and riparian ecosystems. ERDC/EL TR-03-4, U.S. Army Engineer Research and Development Center, Vicksburg, MS.

Fischenich, J.C. and H. Allen. 2000. Stream Management. Prepared for U.S. Army Engineer District, Ft. Worth, TX. Prepared by Water Operations Technical Support Program, Vicksburg, MS. (ERDC/EL SR-W-00-1). 295 pp.

Fischenich, J.C. and J. Morrow. 1999. Streambank Habitat Enhancement with Large Woody Debris. EMRRP Technical Notes Collection (ERDC TN-EMRRP-SR-13). U.S. Army Engineer Research and Development Center, Vicksburg, MS. Available at: www.wes.army.mil/el/emrrp.

Fischer, H.B., List, E. J., Koh, R. C. Y., Imberger, J., Brooks, N. H. 1979. Mixing in Inland and Coastal Waters. San Diego, California: Academic Press.

Fisheries and Oceans Canada. 2006. High-pressure directional drilling. http://www.dfo-mpo.gc.ca/regions/central/habitat/os-eo/prov-terr/sk/index_e.htm. Accessed 2006.12.06.

FishXing. 2007. Fishxing: Fish Passage Case Studies. USDA Forest Service. Available at: http://www.stream.fs.fed.us/fishxing.html (accessed October, 19, 2007).

Fitzsimons, J.D. 1996. The significance of man-made structures for lake trout spawning in the Great Lakes: Are they a viable alternative to natural reefs? Canadian Journal of Fisheries and Aquatic Sciences 53: 142-151.

Flebbe, P.A. 1999. Trout Use of Woody Debris and Habitat in Wine Spring Creek, North Carolina. Forest Ecology and Management 114: 367-376.

Flett, P.A., K.R. Munkittrick, G. VanDerKraak, and J.F. Leatherland. 1996. Overripening as the Cause of Low Survival to Hatch in Lake Erie Coho Salmon (Oncorhynchus Kisutch) Embryos. Canadian Journal of Zoology-Revue Canadienne De Zoologie 74(5): 851-857.

Flores-Cervantes, J.H., E. Istanbulluoglu, and R.L. Bras. 2006. Development of Gullies on the Landscape: A Model of Headcut Retreat Resulting from Plunge Pool Erosion. Journal of Geophysical Research-Earth Surface 111(F1).

Florsheim, J.L., and J.F. Mount. 2002. Restoration of Floodplain Topography by Sand-Splay Complex Formation in Response to Intentional Levee Breaches, Lower Cosumnes River, California. Geomorphology 44(1-2): 67-94.

Florsheim, J.L., and J.F. Mount. 2003. Changes in Lowland Floodplain Sedimentation Processes: Pre-Disturbance to Post-Rehabilitation, Cosumnes River, California. Geomorphology 56(3-4): 305-323.

Folmar, L. C., and W. W. Dickhoff. 1981. Evaluation of some physiological parameters as predictive indices of smoltification. Aquaculture 23: 309-24.

Fonseca, M.S., and J.A. Cahalan. 1992. A Preliminary Evaluation of Wave Attenuation by 4 Species of Seagrass. Estuarine Coastal and Shelf Science 35(6): 565-576.

Fonseca, M.S., and S.S. Bell. 1998. Influence of Physical Setting on Seagrass Landscapes near Beaufort, North Carolina, USA. Marine Ecology-Progress Series 171: 109-121.

Fonseca, M.S., J.C. Zieman, G.W. Thayer, and J.S. Fisher. 1983. The Role of Current Velocity in Structuring Eelgrass (Zostera-Marina L) Meadows. Estuarine Coastal and Shelf Science 17(4): 367-380.

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. Silver Spring, Maryland: National Oceanic and Atmospheric Administration.

Forrester, G.E., and M.A. Steele. 2004. Predators, Prey Refuges, and the Spatial Scaling of Density-Dependent Prey Mortality. Ecology 85(5): 1332-1342.

Francis, R.A. 2006. Allogenic and Autogenic Influences Upon Riparian Vegetation Dynamics. Area 38(4): 453-464.

Francis, T.B., and D.E. Schindler. 2006. Degradation of littoral habitats by residential development: Woody debris in lakes of the Pacific Northwest and Midwest, United States. Ambio 35(6): 274-280.

Francisco, M.D. 1995. Propeller Scour and Sediment Remediation at the Seattle Waterfront. Master's Thesis, University of Washington, Seattle, Washington.

Franco, A., P. Franzoi, S. Malavasi, F. Riccato, P. Torricelli, and D. Mainardi. 2006. Use of Shallow Water Habitats by Fish Assemblages in a Mediterranean Coastal Lagoon. Estuarine Coastal and Shelf Science 66(1-2): 67-83.

Fredenberg, W.A. 1992. Evaluation of Electrofishing-Induced Spinal Injuries Resulting from Field Electrofishing Surveys in Montana. Montana Department of Fish, Wildlife and Parks, Helena. Helena, Montana: Montana Department of Fish, Wildlife and Parks.

Fredette, T.J., J.E. Clausner, M.R. Palermo, S.M. Bratos, and T.L. Prickett. 2002. Field Pilot Study of in Situ Capping of Palos Verdes Shelf Contaminated Sediments. ERDC TR-02-5. Vicksburg, Mississippi: U.S. Army Engineer Research and Development Center.

Freeman, G.E. and J.C. Fischenich. 2000. Gabions for streambank erosion control. EMRRP Technical Notes Collection (ERDC TN-EMRRP-SR-22), U.S. Army Engineer Research and Development Center, Vicksburg, MS. Available at: www.wes.army.mil/el/emrrp.

Freeman, P.L., and M.S. Schorr. 2004. Influence of Watershed Urbanization on Fine Sediment and Macroinvertebrate Assemblage Characteristics in Tennessee Ridge and Valley Streams. Journal of Freshwater Ecology 19(3): 353-362.

French, J.R., and D.R. Stoddart. 1992. Hydrodynamics of Salt-Marsh Creek Systems - Implications for Marsh Morphological Development and Material Exchange. Earth Surface Processes and Landforms 17: 235-252.

Fresh, K. 1998. Taking stock: anadromous salmonids and their habitats in the Puget Sound basin. In: Salmon in the City: Can Habitat in the Path of Development be Saved? Proceedings of a conference by American Public Works Association, Stormwater Managers Committee in Mount Vernon, Washington. Washington State University. Available at: http://depts.washington.edu/cwws/Research/Reports/salmoninthecity.pdf (Accessed 2006.10.04).

Fresh, K. 2000. Personal communication (review comments forwarded by the state salmon recovery program steering committee to José Carrasquero, Herrera Environmental Consultants, regarding the draft white paper on over-water structures [freshwaters]). Washington Department of Fish and Wildlife, Olympia. November 2000.

Fresh, K. 2006. Juvenile Pacific Salmon and the Nearshore Ecosystem of Puget Sound. Seattle: Puget Sound Nearshore Ecosystem Restoration Program.

Fresh, K. and D. Averill. 2005. Salmon in the Nearshore and Marine Waters of Puget Sound. Draft February 2005. Submitted as part of the Regional Nearshore and Marine Aspects of Salmon Recovery in Puget Sound that was delivered to Shared Strategy for inclusion in their regional salmon recovery plan. June 28, 2005.

Fresh, K. and R. Cardwell. 1978. Predation upon juvenile salmon. As cited in Nightingale and Simenstad 2001b.(Cardwell, R.D. and K.L. Fresh. 1979. Predation upon Juvenile Salmon. State of Washington Department of Fisheries Progress Report Draft No. 8.?)

- Fresh, K., B. Williams, and D. Penttila. 1995. Overwater structures and impacts on eelgrass in Puget Sound, WA. Puget Sound Research '95 Proceedings. Seattle, WA: Puget Sound Water Quality Authority. Cited in Nightingale and Simenstad 2001b.
- Fresh, K., B.W. Williams, S. Wyllie-Echeverria, and T. Wyllie-Echeverria. 2000. Mitigating impacts of overwater floats on eelgrass Zostera marina in Puget Sound, Washington using light permeable deck grating, Draft. Cited in Nightingale and Simenstad 2001b.
- Frest, T.J., and E.J. Johannes. 1995. Freshwater Molluscs of the Upper Sacramento System, California with Particular Reference to the Cantara Spill. Sacramento, California: State of California, Department of Fish and Game.
- Frest, T.J., and E.J. Johannes. 1995. Interior Columbia Basin Mollusk Species of Special Concern. Final report to the Interior Columbia Basin Ecosystem Management Project. Walla Walla, Washington. Cited in WDNR (2006b).
- Fries, L.T., and D.E. Bowles. 2002. Water Quality and Macroinvertebrate Community Structure Associated with a Sportfish Hatchery Outfall. North American Journal of Aquaculture 64(4): 257-266.
- Frihy, O.E., and P.D. Komar. 1993. Long-Term Shoreline Changes and the Concentration of Heavy Minerals in Beach Sands of the Nile-Delta, Egypt. Marine Geology 115(3-4): 253-261.
- Frisch, A.J., and T.A. Anderson. 2000. The Response of Coral Trout (Plectropomus Leopardus) to Capture, Handling and Transport and Shallow Water Stress. Fish Physiology and Biochemistry 23(1): 23-24.
- Frissell, C., and R. Nawa. 1992. Incidence and Causes of Physical Failure of Artificial Habitat Structures in Streams of Western Oregon and Washington. North American Journal of Fisheries Management 12(1): 182-197.
- Fritioff, A., and M. Greger. 2003. Aquatic and Terrestrial Plant Species with Potential to Remove Heavy Metals from Stormwater. International Journal of Phytoremediation 5(3): 211-224.
- Fuchs, S.A., S.G. Hinch, and E. Mellina. 2003. Effects of Streamside Logging on Stream Macroinvertebrate Communities and Habitat in the Sub-Boreal Forests of British Columbia, Canada. Canadian Journal of Forest Research-Revue Canadienne De Recherche Forestiere 33(8): 1408-1415.
- Fuchsman, P.C., T.R. Barber, J.C. Lawton, and K.B. Leigh. 2006. An Evaluation of Cause-Effect Relationships between Polychlorinated Biphenyl Concentrations and Sediment Toxicity to Benthic Invertebrates. Environmental Toxicology and Chemistry 25(10): 2601-2612.
- Fuller, D.D. 1990. Seasonal Utilization of Instream Boulder Structures by Anadromous Salmonids in Hurdygurdy Creek, California. FHR Currents 3: 1-8.

Furniss, M.J., T.D. Roelofs, and C.S. Yee. 1991. Road Construction and Maintenance. Pp. 297-324 in W.R. Meehan (ed.), Influences of Forest and Rangeland Management on Salmonid Fishes and Their Habitats. Bethesda, Maryland: American Fisheries Society Special Publication 19.

Gabriel, A.O. and T.A. Terich. 2005. Cumulative Patterns and Controls of Seawall Construction, Thurston County, Washington. Journal of Coastal Research 21(3): 430-440.

Gadomski, D.M., and M.J. Parsley. 2005. Effects of Turbidity, Light Level, and Cover on Predation of White Sturgeon Larvae by Prickly Sculpins. Transactions of the American Fisheries Society 134(2): 369-374.

Gagnaire, B., H. Frouin, K. Moreau, H. Thomas-Guyon, and T. Renault. 2006. Effects of Temperature and Salinity on Haemocyte Activities of the Pacific Oyster, Crassostrea gigas (Thunberg). Fish & Shellfish Immunology 20(4): 536-547.

Galay, V.J. 1983. Causes of River Bed Degradation. Water Resources Research 19: 1057-1090.

Gale, S.B., and A.V. Zale. 2005. Evaluation of Entrainment Losses of Westslope Cutthroat Trout at Private Irrigation Diversions and the Efficiency of Fish Screens on Skalkaho Creek, Montana. Prepared for Wild Fish Habitat Initiative by Montana Cooperative Fishery Research Unit, U.S. Geological Survey, Department of Ecology, Montana State University, Bozeman, Montana.

Gallardo, A.H., and A. Marui. 2006. Submarine groundwater discharge: an outlook of recent advances and current knowledge. Geo-Marine Letters. Vol. 26. No. 2 June 2006: 102-113.

Galster, R.W. and M.L. Schwartz. 1990. Ediz Hook - A case history of coastal erosion and rehabilitation. Journal of Coastal Research Special Issue, 6: 103-113.

Gandy, C.J., J.W.N. Smith, and A.P. Jarvis. 2007. Attenuation of Mining-Derived Pollutants in the Hyporheic Zone: A Review. Science of the Total Environment 373(2-3): 435-446.

Garbaciak, S., P. Spadaro, T. Thornburg, and R. Fox. 1998. Sequential Risk Mitigation and the Role of Natural Recovery in Contaminated Sediment Projects. Water Science and Technology 37(6-7): 331-336.

Gardiner, W., G. Pascoe, L. Muench, B. Gregg, and D. Shreffler. 2006. An evaluation of the potential risks associated with creosoted pilings and their removal. Abstract. SETAC Annual Meeting, Baltimore, MD.

Gardner, F. (ed.). 1981. Washington Coastal Areas of Major Biological Significance. Washington State Department of Ecology, Baseline Studies Program. Olympia, Washington. Cited in WDNR 2006b.

- Gardner, S.C., C.E. Grue, W.W. Major, and L.L. Conquest. 2001. Aquatic invertebrate communities associated with purple loosestrife (Lythrum salicaria), cattail (Typha latifolia), and bulrush (Scirpus acutus) in central Washington, USA. Wetlands 21(4): 593-601.
- Garland, R.D., and K.F. Tiffan. 1999. Nearshore habitat use by subyearling fall chinook salmon in the Snake River. Pages 53-72 in K.F. Tiffan, D.W. Rondorf, W.P. Connor, and H.L. Burge, editors. Post-release attributes and survival of hatchery and natural fall chinook salmon in the Snake River. Annual Report to the Bonneville Power Administration, contract DE-AI79-91BP21708, Portland, Oregon.
- Garland, R.D., K.F. Tiffan, D.W. Rondorf, and L.O. Clark. 2002. Comparison of Subyearling Fall Chinook Salmon's Use of Riprap, Revetments and Unaltered Habitats in Lake Wallula of the Columbia River. North American Journal of Fisheries Management 22(4): 1283-1289.
- Garland, R.D., K.F. Tiffan, D.W. Rondorf, D. Anglin, and J. Skalicky. 2002. Assessment of chum and fall Chinook salmon spawning habitat near Ives and Pierce Islands in the Columbia River. Draft Research Report 1999-2001 to the Bonneville Power Administration, contract 04701, Portland, OR.
- Garrad, P.N., and R.D. Hey. 1988. River management to reduce turbidity in navigable broadland rivers. Journal of Environmental Management 27(3): 273-288.
- Garrison, K.J., and B.S. Miller. 1982. Review of the early life history of Puget Sound fishes. University of Washington Fisheries Research Institute, UW-8216. Seattle, Washington. 729pp.
- Garrison, P.J., D.W. Marshall, L. Stremick-Thompson, P.L. Cicero, and P.D. Dearlove. 2005. Effects of Pier Shading on Littoral Zone Habitat and Communities in Lakes Ripley and Rock, Jefferson County, Wisconsin. Wisconsin Department of Natural Resources, Jefferson County Land and Water Conservation Department, and Lake Rioley Management District.
- Garza, E.L., and R.L. Whitman. 2004. The Nearshore Benthic Invertebrate Community of Southern Lake Michigan and Its Response to Beach Nourishment. Journal of Great Lakes Research 30(1): 114-122.
- Gaspin, J.B. 1975. Experimental investigations of the effects of underwater explosions on swimbladder fish, 1: 1973 Chesapeake Bay Tests. Naval Surface Weapons Center Silver Springs Maryland 20910. NSWC/WOL/TR 75-58.
- Gatto, L.W., and W.W. Doe III. 1987. Bank Conditions and Erosion Along Selected Reservoirs. Environmental Geology and Water Sciences 9(3): 143-154.
- Gay, P., G. Vellidis, and J.J. Delfino. 2006. The Attenuation of Atrazine and Its Major Degradation Products in a Restored Riparian Buffer. Transactions of the ASABE 49(5): 1323-1339.

- Gayaldo, P.F. and K. Nelson. 2006. Preliminary Results of Light Transmission under Residential Piers in Lake Washington, King County, Washington: A Comparison between Prisms and Grating. Lake and Reservoir Management: Volume 22(3): 245 249.
- Geist, D.R. 2000a. Hyporheic Discharge of River Water into Fall Chinook Salmon (Oncorhynchus Tshawytscha) Spawning Areas in the Hanford Reach, Columbia River. Canadian Journal of Fisheries and Aquatic Science 57: 1647-1656.
- Geist, D.R. 2000b. The interaction of ground water and surface water within fall Chinook salmon spawning areas in the Hanford Reach of the Columbia River. Pp. 95-98 in Proceedings of the Ground-Water/Surface-Water Interactions Workshop, EPA/542/R-00/007.
- Geist, D.R., and D.D. Dauble. 1998. Redd Site Selection and Spawning Habitat Use by Fall Chinook Salmon: The Importance of Geomorphic Features in Large Rivers. Environmental Management 22(5): 655-669.
- Geist, D.R., R.S. Brown, V. Cullinan, S.R. Brink, K. Lepla, P. Bates, and J.A. Chandler. 2005. Movement, Swimming Speed, and Oxygen Consumption of Juvenile White Sturgeon in Response to Changing Flow, Water Temperature, and Light Level in the Snake River, Idaho. Transactions of the American Fisheries Society 134(4): 803-816.
- Geist, D.R., T.P. Hanrahan, E.V. Arntzen, G.A. McMichael, C.J. Murray, and Y.J. Chien. 2002. Physicochemical Characteristics of the Hyporheic Zone Affect Redd Site Selection by Chum Salmon and Fall Chinook Salmon in the Columbia River. North American Journal of Fisheries Management 22(4): 1077-1085.
- Gelfenbaum, G., T. Mumford, J. Brennan, H. Case, M. Dethier, K. Fresh, F. Goetz, M. van Heeswijk, T.M. Leschine, M. Logsdon, D. Myers, J. Newton, H. Shipman, C.A. Simenstad, C. Tanner, and D. Woodson. 2006. Coastal Habitats in Puget Sound: A Research Plan in Support of the Puget Sound Nearshore Partnership. Available at: http://www.pugetsoundnearshore.org/techical_papers/coastal_habitats.pdf.
- Gendron, A. 2005. Water Table Dynamics at Lowell Point, Camano Island, Washington: A Designer Study for Puget Sound. University of Washington, Seattle, 30 pp.
- Gerstel, W. J. and J. F. Brown. 2006. Alternative Shoreline Stabilization Evaluation Project; Final Report September 15, 2006. Prepared for: Puget Sound Action Team. Olympia, WA.
- Giannico, G., and J.A. Souder. 2005. Tide Gates in the Pacific Northwest: Operation, Types and Environmental Effects. ORESU-T-05-001. Corvallis, Oregon: Oregon Sea Grant.
- Giannico, G.R., and J.A. Souder, 2004. The Effects of Tide Gates on Estuarine Habitats and Migratory Fish. Oregon Sea Grant. National Oceanic and Atmospheric Administration grant number NA76RG0467, project number R/HBT-07-PD, pp. 10.

Gilbert, G.K. 1917. Hydraulic Mining Debris in the Sierra Nevada. Professional Paper 105. Washington, DC: U.S. Geological Survey.

Gillilan, D.M., and T.C. Brown. 1997. Instream Flow Protection: Seeking a Balance in Western Water Use. Washington, DC: Island Press.

Ginetz, R.M., and P.A. Larkin. 1976. Factors affecting rainbow trout (Salmo gairdneri) predation on migrant fry of sockeye salmon (Oncorhynchus nerka). Journal of the Fisheries Research Board of Canada 33: 19–24. Cited in Tabor et al., 1998.

Giorgi, A.E. 1981. The environmental biology of the embryos, egg masses and nesting sites of the lingcod, Ophiodon elongatus. NMFS, NWAFC Proceedings Report No. 81- 06. Seattle, Washington. 107pp. Cited in NRC 2001.

Gippel, C.J., B.L. Finlayson, and I.C. O'Neill. 1996. Distribution and hydraulic significance of large woody debris in a lowland Australian river. Hydrobiologia 318, 179-194.

Gipson, R.D., and W.A. Hubert. 1993. Spawning-site selection by kokanee along the shoreline of Flaming Gorge Reservoir, Wyoming-Utah. North American Journal of Fisheries Management 13(3): 475-482.

Gjovik, L. R. 1977. Pretreatment molding of southern pine: Its effect on the permanence and performance of preservatives exposed in sea water. In Proceedings of the American Wood Preservers' Association. 73:142-153. Cited in Cooper 1991.

Glasby, T.M. 1999. Effects of Shading on Subtidal Epibiotic Assemblages. Journal of Experimental Marine Biology and Ecology 234: 275-290.

Gliwicz, A.M. 1986. A Lunar Cycle in Zooplankton. Ecology 67(4): 883-897.

Godin, J.-G. J. 1982. Migrations of salmonid fishes during early life history phases: daily and annual timing. Pp. 22-50 in E.L. Brannon and E.O. Salo (eds.), Proceedings of the First International Salmon Trout Migratory Behavior Symposium University of Washington. Cited in Nightingale and Simenstad 2001b.

Goetz, F.A., E. Jeanes, E. Beamer, G. Hart, C. Morello, M. Camby, C. Ebel, E. Conner, and H. Berge. 2004. Bull Trout in the Nearshore (Preliminary Draft). U.S. Army Corps of Engineers, Seattle District.

Golder Associates, Inc. 2005. Upper Columbia River Juvenile White Sturgeon Monitoring: Phase 2 Investigations, Fall 2003–Spring 2004. Prepared for BC Hydro by Golder Associates, Inc., Castlegar, BC, Canada.

Gomi, T., R.C. Sidle, M.D. Bryant, and R.D. Woodsmith. 2001. The Characteristics of Woody Debris and Sediment Distribution in Headwater Streams, Southeastern Alaska. Canadian Journal of Forest Research-Revue Canadienne De Recherche Forestiere 31(8): 1386-1399.

Gonor, J., J. Sedell, and P. Benner. 1988. What we know about large trees in estuaries, in the sea, and on coastal beaches. Pages 83-112 in: C. Maser, R. Tarrant, J. Trappe, and J. Franklin, editors. From the forest to the sea: a story of fallen trees. U.S.D.A, Forest Service, Pacific Northwest Research Station, General Technical Report PNW-GTR-229, Portland, OR.

Goodyear, C.P. 1977. Assessing the Impact of Power Plant Mortality on the Compensatory Reserve of Fish Populations with Demersal Eggs. In Assessing the Impact of Power Plant Induced Mortality on Fish Populations, edited by J.H.S. Blaxter. New York: Pergammon Press.

Gore, J.A. 1985. Mechanisms of colonozation and habitat enhancement for benthic macroinvertebrates in restored river channels. Pages 81-101 in The Restoration of Rivers and Streams, J.A. Gore (ed). Boston, Massachusetts: Butterworths.

Gosset, C., J. Rives, and J. Labonne. 2006. Effect of Habitat Fragmentation on Spawning Migration of Brown Trout (Salmo Trutta L.). Ecology of Freshwater Fish 15(3): 247-254.

Gottesfeld, A.S., M.A. Hassan, J.F. Tunnicliffe, and R.W. Poirier. 2004. Sediment Dispersion in Salmon Spawning Streams: The Influence of Floods and Salmon Redd Construction. Journal of the American Water Resources Association (JAWRA) 40(4): 1071-1086.

Gotthardt, T. 2006. Longfin Smelt. Anchorage, Alaska: Alaska Natural Heritage Program.

Goudreau, S.E., R.J. Neves, and R.J. Sheehan. 1993. Effects of Waste-Water Treatment-Plant Effluents on Fresh-Water Mollusks in the Upper Clinch River, Virginia, USA. Hydrobiologia 252(3): 211-230.

Govindjee, R. 1975. Introduction to Photosynthesis. In Bioenergetics of Photosynthesis, edited by R. Govindjee. New York, New York: Academic Press. pp. 1-50.

Gowan, C., M.K. Young, K.D. Fausch, and S.C. Riley. 1994. Restricted Movement in Resident Stream Salmonids: A Paradigm Lost. Canadian Journal of Fisheries & Aquatic Sciences 51: 2626-2637.

Gran, K., and C. Paola. 2001. Riparian Vegetation Controls on Braided Stream Dynamics. Water Resources Research 37(12): 3275-3283.

Grant, G.E., B. Burkholder, A. Jefferson, S. Lewis, and R. Haggerty. 2006. Hyporheic Flow, Temperature Anomalies, and Gravel Augmentation: Preliminary Findings of a Field Investigation on the Clackamas River, Oregon. Prepared for Portland General Electric, by USDA Forest Service and Department of Geosciences, Oregon State University, Corvallis, Oregon. December 6, 2006.

Grant, J., and B. Thorpe. 1991. Effects of Suspended Sediment on Growth, Respiration, and Excretion of the Soft-Shell Clam (Mya-Arenaria). Canadian Journal of Fisheries and Aquatic Sciences 48(7): 1285-1292.

Grant, J., C.T. Enright, and A. Griswold. 1990. Resuspension and Growth of Ostrea-Edulis - a Field Experiment. Marine Biology 104(1): 51-59.

Grapentine, L., Q. Rochfort, and J. Marsalek. 2004. Benthic Responses to Wet-Weather Discharges in Urban Streams in Southern Ontario. Water Quality Research Journal of Canada 39(4): 374-391.

Gray, A., C.A. Simenstad, D.L. Bottom, and T.J. Cornwell. 2002. Contrasting Functional Performance of Juvenile Salmon Habitat in Recovering Wetlands of the Salmon River Estuary, Oregon, USA. Restoration Ecology 10(3): 514-526.

Gray, G.A., and D.W. Rondorf. 1986. Predation on juvenile salmonids in Columbia basin reservoirs. Pp. 178–185 in G.E. Hall and M.J. Van Den Avyle (eds.), Reservoir Fisheries Management: Strategies for the 80's. Bethesda, Maryland: American Fisheries Society. Cited in Carrasquero 2001.

Gray, G.A., G.M. Sonnevil, H.C. Hansel, C.W. Huntington, and D.E. Palmer. 1984. Feeding activity, rate of consumption, daily ration and prey selection of major predators in the John Day pool. U.S. Fish and Wildlife Service, Annual report (Contract DI-AI79-82BP34796). Cook, Washington. Cited in Carrasquero 2001.

Gray, J.S., R.S.S. Wu, and Y.Y. Or. 2002. Effects of Hypoxia and Organic Enrichment on the Coastal Marine Environment. Marine Ecology-Progress Series 238: 249-279.

Greacen, E.L., and R. Sands. 1980. Compaction of Forest Soils - a Review. Australian Journal of Soil Research 18: 163-189.

Greathouse, E.A., C.M. Pringle, W.H. McDowell, and J.G. Holmquist. 2006. Indirect Upstream Effects of Dams: Consequences of Migratory Consumer Extirpation in Puerto Rico. Ecological Applications 16(1): 339-352.

Greene, C.M., and T.J. Beechie. 2004. Consequences of Potential Density-Dependent Mechanisms on Recovery of Ocean-Type Chinook Salmon (Oncorhynchus tshawytscha). Canadian Journal of Fisheries and Aquatic Sciences 61(4): 590-602.

Gregory, R.S. 1993. Effect of Turbidity on the Predator Avoidance-Behavior of Juvenile Chinook Salmon (Oncorhynchus tshawytscha). Canadian Journal of Fisheries and Aquatic Sciences 50(2): 241-246.

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. Env. Biol. Fishes 47(3): 279-288.

Gregory, R.S., and C.D. Levings. 1998. Turbidity Reduces Predation on Migrating Juvenile Pacific Salmon. Transactions of the American Fisheries Society 127(2): 275-285.

- Gregory, R.S., and T.G. Northcote. 1993. Surface, Planktonic, and Benthic Foraging by Juvenile Chinook Salmon (Oncorhynchus tshawytscha) in Turbid Laboratory Conditions. Canadian Journal of Fisheries and Aquatic Sciences 50: 233-240.
- Greig, S.M., D.A. Sear, and P.A. Carling. 2005. The impact of fine sediment accumulation on the survival of incubating salmon progeny: Implications for sediment management. Science of The Total Environment 344(1-3): 241-258.
- Greig, S.M., D.A. Sear, and P.A. Carling. 2007. A Review of Factors Influencing the Availability of Dissolved Oxygen to Incubating Salmonid Embryos. Hydrological Processes 21(3): 323-334.
- Grette, G.B. 1985. Fish Monitoring During Pile Driving at Hiram H. Chittenden Lockes, August-September 1985. Report by Evans-Hamilton, Inc., to U.S. Army Corps of Engineers, Seattle, Washington.
- Griffin, F.J., M.C. Pillai, C.A. Vines, J. Kaaria, T. Hibbard-Robbins, R. Yanagimachi, and G.N. Cherr. 1998. Effects of Salinity on Sperm Motility, Fertilization, and Development in the Pacific Herring, Clupea Pallasi. Biological Bulletin 194(1): 25-35.
- Groberg, W.J., R.H. Mccoy, K.S. Pilcher, and J.L. Fryer. 1978. Relation of Water Temperature to Infections of Coho Salmon (Oncorhynchus-Kisutch), Chinook Salmon (O-Tshawytscha), and Steelhead Trout (Salmo-Gairdneri) with Aeromonas-Salmonicida and Aeromanas-Hydrophila. Journal of the Fisheries Research Board of Canada 35(1): 1-7.
- Groot, C. and L. Margolis (eds.). 1991. Pacific Salmon Life Histories. Vancouver, British Columbia: University of British Columbia Press. Cited in WDNR 2006a.
- Gross, H.P., W.A. Wurtsbaugh, and C. Luecke. 1998. The Role of Anadromous Sockeye Salmon in the Nutrient Loading and Productivity of Redfish Lake, Idaho. Transactions of the American Fisheries Society 127(1): 1-18.
- Grubbs, S.A., and J.M. Taylor. 2004. The Influence of Flow Impoundment and River Regulation on the Distribution of Riverine Macroinvertebrates at Mammoth Cave National Park, Kentucky, U.S.A. Hydrobiologia 520(1-3): 19-28.
- Guerra-García, J.M., J. Corzo, and J.C. García-Gómez. 2003. Short-Term Benthic Recolonization after Dredging in the Harbour of Ceuta, North Africa. Marine Ecology 24(3): 217-229.
- Guidetti, P. 2004. Fish Assemblages Associated with Coastal Defense Structures in South-Western Italy (Mediterranean Sea). Journal of the Marine Biological Association of the United Kingdom 84(3): 669-670.
- Guidetti, P., L. Verginella, C. Viva, R. Odorico, and F. Boero. 2005. Protection Effects on Fish Assemblages, and Comparison of Two Visual-Census Techniques in Shallow Artificial Rocky

Habitats in the Northern Adriatic Sea. Journal of the Marine Biological Association of the United Kingdom 85(2): 247-255.

Guidetti, P., S. Bussotti, and F. Boero. 2005. Evaluating the Effects of Protection on Fish Predators and Sea Urchins in Shallow Artificial Rocky Habitats: A Case Study in the Northern Adriatic Sea. Marine Environmental Research 59(4): 333-348.

Gurnell, A., and G. Petts. 2006. Trees as Riparian Engineers: The Tagliamento River, Italy. Earth Surface Processes and Landforms 31(12): 1558-1574.

Gurnell, A.M. 1998. The Hydrogeomorphological Effects of Beaver Dam-Building Activity. Progress in Physical Geography 22(2): 167-189.

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, NOAA Technical Memorandum. Seattle, Washington: Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service.

Gustafson, R.G., W.H. Lenarz, B.B. McCain, C.C. Schmitt, W.S. Grant, T.L. Builder, and R.D. Methot. 2000. Status Review of Pacific Hake, Pacific Cod, and Walleye Pollock from Puget Sound, Washington. NOAA Technical Memo NMFS-NWFSC-44. Seattle, Washington: Northwest Fisheries Science Center.

Guyette, R.P., W.G. Cole, D.C. Dey, and R.M. Muzika. 2002. Perspectives on the Age and Distribution of Large Wood in Riparian Carbon Pools. Canadian Journal of Fisheries and Aquatic Sciences 59(3): 578-585.

Haas, M.E., C.A. Simenstad, J.R. Cordell, D.A. Beauchamp, and B.S. Miller. 2002. Effects of large overwater structures on epibenthic juvenile salmon prey assemblages in Puget Sound, WA. Available: http://www.wsdot.wa.gov/Research/Reports/500/550.1.htm (accessed 2006.10.23).

Hadderingh, R.H. 1979. Fish Intake Mortality at Power Stations the Problem and Its Remedy. Aquatic Ecology 13(2): 83-93.

Hadderingh, R.H., and Z. Jager. 2002. Comparison of Fish Impingement by a Thermal Power Station with Fish Populations in the Ems Estuary. Journal of Fish Biology 61: 105-124.

Hagerthey, S.E., and W.C. Kerfoot. 2005. Spatial Variation in Groundwater-Related Resource Supply Influences Freshwater Benthic Algal Assemblage Composition. Journal of the North American Benthological Society 24(4): 807-819.

Haldorson, L. and L.J. Richards. 1986. Post-larval copper rockfish in the Strait of Georgia: Habitat use, feeding, and growth in the first year. Pages 129-141 in Proceedings International Rockfish Symposium. Anchorage, Alaska: Alaska Sea Grant College Program. Cited in NRC 2001.

- Hall, J.L., and R.C. Wissmar. 2004. Habitat Factors Affecting Sockeye Salmon Redd Site Selection in Off-Channel Ponds of a River Floodplain. Transactions of the American Fisheries Society 133(6): 1480-1496.
- Hall, L.W., and R.D. Anderson. 1999. A Deterministic Ecological Risk Assessment for Copper in European Saltwater Environments. Marine Pollution Bulletin 38(3): 207-218.
- Hall, M.O., M.J. Durako, J.W. Fourqurean, and J.C. Zieman. 1999. Decadal Changes in Seagrass Distribution and Abundance in Florida Bay. Estuaries 22(2B): 445-459.
- Hallermeier, R.J. 1981. A Profile Zonation for Seasonal Sand Beaches from Wave Climate. Coastal Engineering 4(3): 253-277.
- Hallock, M. and P.E. Mongillo. 1998. Washington State Status Report for the Pygmy Whitefish. Washington Department of Fish and Wildlife. Olympia, Washington. Available at: http://wdfw.wa.gov/wlm/diversty/soc/status/whitfish/dftpwfsh.pdf (accessed 2006.10.23). Cited in WDNR 2006a.
- Hamblin, P.F., D.Z. Zhu, F. Chiocchio, C. He, and M.N. Charlton. 2000. Monitoring Suspended Sediment Plumes by Optical and Acoustical Methods with Application to Sand Capping. Canadian Journal of Civil Engineering 27: 125-137.
- Hammer, T.R. 1972. Stream Channel Enlargement Due to Urbanization. Water Resources Research 8: 1530-1541.
- Hammerson, G.A. 1994. Beaver (Castor-Canadensis) Ecosystem Alterations, Management, and Monitoring. Natural Areas Journal 14(1): 44-57.
- Hansen, J.A., J.C.A. Marr, J. Lipton, D. Cacela, and H.L. Bergman. 1999a. Differences in neurobehavioral responses of chinook salmon (Oncorhynchus tshawytascha) and rainbow trout (Oncorhynchus mykiss) exposed to copper and cobalt: behavioral avoidance. Environ. Toxicol. Chem. 18:1972-1978. (As cited in Stratus 2005b).
- Hansen, J.A., J.D. Rose, R.A. Jenkins, K.G. Gerow, and H.L. Bergman. 1999. Chinook Salmon (Oncorhynchus Tshawytscha) and Rainbow Trout (Oncorhynchus Mykiss) Exposed to Copper: Neurophysiological and Histological Effects on the Olfactory System. Environmental Toxicology and Chemistry 18: 1979-1991. Cited in Stratus 2005b.
- Hansen, J.A., P.G. Welsh, J. Lipton, and D. Cacela. 2002. Effects of Copper Exposure on Growth and Survival of Juvenile Bull Trout. Transactions of the American Fisheries Society 131(4): 690-697.
- Hansen, J.A., P.G. Welsh, J. Lipton, and M.J. Suedkamp. 2002. The Effects of Long-Term Cadmium Exposure on the Growth and Survival of Juvenile Bull Trout (Salvelinus confluentus). Aquatic Toxicology 58(3-4): 165-174.

- Hansen, J.A., P.G. Welsh, J. Lipton, D. Cacela, and A.D. Dailey. 2002. Relative Sensitivity of Bull Trout (Salvelinus confluentus) and Rainbow Trout (Oncorhynchus mykiss) to Acute Exposures of Cadmium and Zinc. Environmental Toxicology and Chemistry 21(1): 67-75. Cited in Stratus 2005b.
- Hard, J.J., R.G. Kope, W.S. Grant, F.W. Waknitz, L.T. Parker, and R.S. Waples. 1996. Status Review of Pink Salmon from Washington, Oregon, California. U.S. Department of Commerce., NOAA Technical Memorandum NMFS-NWFSC-25. Northwest Fisheries Science Center. Seattle, Washington. Available at http://www.nwfsc.noaa.gov/publications/techmemos/tm25/tm25.html (Accessed 2006.10.04).
- Harding, J.S., K. Claassen, and N. Evers. 2006. Can Forest Fragments Reset Physical and Water Quality Conditions in Agricultural Catchments and Act as Refugia for Forest Stream Invertebrates? Hydrobiologia 568: 391-402.
- Hardyniec, S., and S. Skeen. 2005. Pile Driving and Barotraumas Effects. No. 1941. Journal of Transportation Research Board 1941/2005: 184-190.
- Harrahy, L.N.M., C.B. Schreck, and A.G. Maule. 2001. Antibody-Producing Cells Correlated to Body Weight in Juvenile Chinook Salmon (Oncorhynchus Tshawytscha) Acclimated to Optimal and Elevated Temperatures. Fish & Shellfish Immunology 11(8): 653-659.
- Harris, C.T. 1974. The Geographical Distribution and Habitat of the Olympic Mudminnow (Novumbra Hubbsi). Master's Thesis, University of Washington, Seattle, Washington.
- Harrison, C.W. 1923. Planting Eyed Salmon and Trout Eggs. Trans. American Fisheries Society 53:191-200. Available http://afs.allenpress.com, accessed 2006.10.23.
- Hart, B., S. Roberts, R. James, J. Taylor, D. Donnert, and R. Furrer. 2003. Use of Active Barriers to Reduce Eutrophication Problems in Urban Lakes. Water Science and Technology 47(7-8): 157-163.
- Hart, C.W., and S.L.H. Fuller. 1974. Pollution Ecology of Freshwater Invertebrates. New York: Academic Press.
- Hart, J.L. 1973. Pacific Fishes of Canada. Fisheries Research Board of Canada Bulletin 180: 730 pp.
- Hartman, G.F., J.C. Scrivener, and M.J. Miles. 1996. Impacts of Logging in Carnation Creek, a High-Energy Coastal Stream in British Columbia, and Their Implication for Restoring Fish Habitat. Canadian Journal of Fisheries and Aquatic Sciences 53(S1): 237-251.
- Hartwell, S.I., D.M. Jordahl, C.E.O. Dawson, and A.S. Ives. 1998. Toxicity of Scrap Tire Leachates in Estuarine Salinities: Are Tires Acceptable for Artificial Reefs? Transactions of the American Fisheries Society 127(5): 796-806.

Harvey, B.C., R.J. Nakamoto, and J.L. White. 1999. Influence of Large Woody Debris and a Bankfull Flood on Movement of Adult Resident Coastal Cutthroat Trout (Oncorhynchus Clarki) During Fall and Winter. Canadian Journal of Fisheries and Aquatic Sciences 56(11): 2161-2166.

Harvey, M.D., J. Pitlick, and J. Laird. 1987. Temporal and spatial variability of sediment storage and erosion in Ash Creek, Arizona. In: Beschta, R.L., Blinn, T., Grant, G.E., Ice, G.G., Swanson, F.J. (Eds.), Erosion and Sedimentation in the Pacific Rim. IAHS Publication, vol. 165. International Association of Hydrological Sciences Wallingford, Oxfordshire, UK, pp. 281–282.

Hasler, A.D., A.T. Scholz, and R.M. Horrall. 1978. Olfactory Imprinting and Homing in Salmon. American Scientist 66(3): 347-355.

Hasler, A.D., and A.T. Scholz. 1983. Olfactory Imprinting and Homing in Salmon. In Zoo-Physiol. 14, New York: Springer-Verlag. pp. 3-38.

Hastings, M.C. 1995. Physical effects of noise of fishes. Proceedings of INTER-NOISE 95, The 1995 International Congress on Noise Control Engineering, vol. II, pp. 979-984. Cited in Hastings and Popper 2005.

Hastings, M.C., A.N. Popper, J.J. Finneran, and P.J. Lanford. 1996. Effects of Low-Frequency Underwater Sound on Hair Cells of the Inner Ear and Lateral Line of the Teleost Fish Astronotus Ocellatus. Journal of the Acoustical Society of America 99(3): 1759-1766.

Hastings, M.C., and A.N. Popper. 2005. Effects of Sound on Fish. Prepared for California Department of Transportation by Jones and Stokes Sacramento, California. August 2005.

Hatch, A.C. and G.A. Burton, Jr. 1999. Sediment toxicity and stormwater runoff in a contaminated receiving system: Consideration of different bioassays in the laboratory and field. Chemosphere 39:1001-1017.

Hatch, A.C., and G.A. Burton. 1999. Phototoxicity of Fluoranthene to Two Freshwater Crustaceans, Hyalella Azteca and Daphnia Magna: Measures of Feeding Inhibition as a Toxicological Endpoint. Hydrobiologia 400: 243-248.

Hauer, F.R., G.C. Poole, J.T. Gangemi, and C.V. Baxter. 1999. Large Woody Debris in Bull Trout (Salvelinus Confluentus) Spawning Streams of Logged and Wilderness Watersheds in Northwest Montana. Canadian Journal of Fisheries and Aquatic Sciences 56(6): 915-924.

Hawkins, A.D. 1986. Underwater Sound and Fish Behavior. In The Behavior of Teleost Fishes, edited by T.J. Pitcher. Maryland: Johns Hopkins University Press. pp. 114-151.

Hawkins, A.D., and A.D.F. Johnstone. 1978. The Hearing of the Atlantic Salmon, Salmo Salar. Journal of Fish Biology 13: 655-673.

Hawkins, C.P., and J.R. Sedell. 1981. Longitudinal and Seasonal Changes in Functional Organization of Macroinvertebrate Communities in Four Oregon Streams. Ecology 62(2): 387-397.

Hawkins, C.P., M.L. Murphy, and N.H. Anderson. 1982. Effects of Canopy, Substrate Composition, and Gradient on the Structure of Macroinvertebrate Communities in Cascade Range Streams of Oregon. Ecology 63: 1840-1856.

Hawkins, C.P., M.L. Murphy, N.H. Anderson, and M.A. Wilzbach. 1983. Density of Fish and Salamanders in Relation to Riparian Canopy and Physical Habitat in Streams of the Northwestern United-States. Canadian Journal of Fisheries and Aquatic Sciences 40(8): 1173-1185.

Hawryshyn, C.W., and F.I. Harosi. 1993. Spectral Characteristics of Visual Pigments in Rainbow Trout (Oncorhynchus Mykiss). Vision Research 34: 1385-1392.

Hayman, R.A., E.M. Beamer, and R.E. McClure. 1996. Skagit System Cooperative Chinook Restoration Research Progress Report No. 1. FY 1995 Skagit River Chinook Restoration Research. Final Project Performance Report. Skagit System Cooperative, LaConner, WA.

Hazelwood, R.A., and J. Connelly. 2005. Estimation of Underwater Noise - a Simplified Method. International Journal of the Society of Underwater Technology 26(3): 51-57.

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, New York. pp. 315-341.

Healey, M.C. 1991. Life History of Chinook Salmon (Oncorhynchus tshawytscha). Pp. 311-394230 in C. Groot and L. Margolis (eds.), Pacific Salmon Life Histories. Vancouver, British Columbia: University of British Columbia Press.

Heard, W.R. 1991. Life History of Pink Salmon (Oncorhynchus gorbuscha). Pp. 120-230 in C. Groot and L. Margolis (eds.), Pacific Salmon Life Histories. Vancouver, British Columbia: University of British Columbia Press. Cited in WDNR 2006a.

Heath, A.G., and G.M. Hughes. 1973. Cardiovascular and Respiratory Changes During Heat Stress in Rainbow-Trout (Salmo-Gairdneri). Journal of Experimental Biology 59(2): 323-338.

Heathershaw, A.D., P.D. Ward, and A.M. David. 2001. The Environmental Impact of Underwater Sound. Institute of Acoustics Proceedings 23 (4): 1-13. Cited in WSDOT 2006a.

Hecht, S.A., D.H. Baldwin, C.A. Mebane, T. Hawkes, and S.J. Gross. 2007. An Overview of Sensory Effects on Juvenile Salmonids Exposed to Dissolved Copper: Applying a Benchmark Concentration Approach to Evaluate Sublethal Neurobehavioral Toxicity. Technical White Paper. Lacey, Washington: National Marine Fisheries Service.

Heck, K. I. Jr. and R.J. Orth. 1980. Structural components of eelgrass (Zostera marina) meadows in the lower Chesapeake Bay--Decapod crustacea. Estuaries 3: 289-95. Cited in Nightingale and Simenstad 2001b.

Heck, K.I. Jr. and T.A. Thoman. 1984. The nursery role of seagrass meadows in the upper and lower reaches of the Chesapeake Bay. Estuaries 7(1): 70-92. Cited in Nightingale and Simenstad 2001b.

Heggenes, J., and R. Borgstrom. 1988. Effect of Mink, Mustela Vison Schreber, Predation on Cohorts of Juvenile Atlantic Salmon, Salmo salar L., and Brown Trout, S. trutta L., in Three Small Streams. Journal of Fish Biology 33(6): 885-894.

Hein, T., C. Baranyi, W. Reckendorfer, and F. Schiemer. 2004. The Impact of Surface Water Exchange on the Nutrient and Particle Dynamics in Side-Arms Along the River Danube, Austria. Science of the Total Environment 328(1-3): 207-218.

Heintz, R.A., B.D. Nelson, J. Hudson, M. Larsen, L. Holland, and M. Wipfli. 2004. Marine Subsidies in Freshwater: Effects of Salmon Carcasses on Lipid Class and Fatty Acid Composition of Juvenile Coho Salmon. Transactions of the American Fisheries Society 133(3): 559-567.

Heiser, D.W. and E.L. Finn. 1970. Observations of juvenile chum and pink salmon in marina and bulkheaded areas, Supplemental Progress Report. Washington Department of Fisheries, Olympia, WA. Cited in Nightingale and Simenstad 2001b.

Helfield, J.M., and R.J. Naiman. 2001. Effects of Salmon-Derived Nitrogen on Riparian Forest Growth and Implications for Stream Productivity. Ecology 82(9): 2403-2409.

Helfield, J.M., and R.J. Naiman. 2002. Salmon and Alder as Nitrogen Sources to Riparian Forests in a Boreal Alaskan Watershed. Oecologia 133(4): 573-582.

Helfman, Gene S. 1979. Fish attraction to floating objects in lakes. Pp. 49–57 in D.L. Johnson and R.A. Stein (eds.), Response of Fish to Habitat Structure in Standing Water. Bethesda, Maryland: American Fisheries Society. Cited in Carrasquero 2001.

Helfrich, L.A., C.R. Liston, B. Mefford, and R. Bark. 2001. Survival and Injury of Splittail and Chinook Salmon Passed through a Large Hidrostal Pump. North American Journal of Fisheries Management 21(3): 616-623.

Helvey, M. 2002. Are Southern California Oil and Gas Platforms Essential Fish Habitat? ICES Journal of Marine Science 59: S266-S271.

Henderson, P.A., and R.M.H. Seaby. 2000. Technical Evaluation of U.S. Environmental Protection Agency Proposed Cooling Water Intake Regulations for New Facilities. Lymington, England: Pices Conservation Ltd.

Henley, W.F., M.A. Patterson, R.J. Neves, and A.D. Lemly. 2000. Effects of Sedimentation and Turbidity on Lotic Food Webs: A Concise Review for Natural Resource Managers. Reviews in Fisheries Science 8(2): 125 - 139.

Henning, J. 2004. An evaluation of fish and amphibian use of restored and natural floodplain wetlands. Final Report EPA Grant number CD-97024901-1. Washington Department of Fish and Wildlife, Olympia, WA, USA. 81 p.

Henning, J.A., R.E. Gresswell, and I.A. Fleming. 2006. Juvenile Salmonid Use of Freshwater Emergent Wetlands in the Floodplain and Its Implications for Conservation Management. North American Journal of Fisheries Management 26(2): 367-376.

Hernandez, I., G. Peralta, J. Perez, and J. Vergava. 1997. Biomass and Dynamics of Growth of Ulva Species in Palmones River Estuary. Journal of Phycology 33: 764-772.

Hernandez-Miranda, E., A.T. Palma, and F.P. Ojeda. 2003. Larval Fish Assemblages in Nearshore Coastal Waters Off Central Chile: Temporal and Spatial Patterns. Estuarine Coastal and Shelf Science 56(5-6): 1075-1092.

Herrera Environmental Consultants, Inc. 2004. As-Built Considerations and Monitoring Recommendations: Hoh River Erosion Control Project U.S. Highway 101 at Milepost 174.4. Seattle: Washington State Department of Transportation.

Herrera Environmental Consultants, Inc. 2005. Marine shoreline sediment survey and assessment, Thurston County, Washington. Prepared for: Thurston Regional Planning Council. Olympia, WA.

Herrera Environmental Consultants, Inc. 2006. Landslide Disposal Site Identification: Sound Transit Everett-to-Seattle Commuter Rail. Seattle, Washington: Sound Transit.

Herrera Environmental Consultants, Inc. 2006. Simonson Place Boat Ramp and Stormwater Outfall Replacement Project: Coastal Processes Assessment. Seattle, Washington: Island County Public Works.

Herrera Environmental Consultants, Inc. 2007. Channel Modifications white paper. Prepared by Herrera Environmental Consultants, Inc., Seattle, Washington, for the Washington Department of Fish and Wildlife, Olympia, Washington. Draft, dated September 2007.

Herrera Environmental Consultants, Inc. 2007. Fish Passage White Paper. Prepared for Washington Department of Fish and Wildlife by Herrera Environmental Consultants, Inc., Seattle, Washington. Draft, November 2007.

Herrera Environmental Consultants, Inc. 2007. Fish Screens White Paper. Prepared for Washington Department of Fish and Wildlife by Herrera Environmental Consultants, Inc., Seattle, Washington. Draft, November 2007.

Herrera Environmental Consultants, Inc. 2007. Flow Control Structures White Paper. Prepared for Washington Department of Fish and Wildlife by Herrera Environmental Consultants, Inc., Seattle, Washington. Draft, September 2007.

Herrera Environmental Consultants, Inc. 2007. Habitat Modifications White Paper. Prepared for Washington Department of Fish and Wildlife by Herrera Environmental Consultants, Inc., Seattle, Washington. Draft, August 2007.

Herrera Environmental Consultants, Inc. 2007. Marinas and Shipping/Ferry Terminals White Paper. Prepared for Washington Department of Fish and Wildlife by Herrera Environmental Consultants, Inc., Seattle, Washington. Draft, June 2007.

Herrera Environmental Consultants, Inc. 2007. Shoreline Modifications White Paper. Prepared for Washington Department of Fish and Wildlife by Herrera Environmental Consultants, Inc., Seattle, Washington. Draft, July 2007.

Herrera Environmental Consultants, Inc. 2007. Water Quality Statistical and Pollutant Loading Analysis: Green-Duwamish Watershed Water Quality Assessment. Prepared for King County Department of Natural Resources and Parks by Herrera Environmental Consultants, Inc. (Herrera), Seattle, Washington.

Hershey, A.E., and G.A. Lamberti. 1992. Stream Macroinvertebrate Communities. In Watershed Management – Balancing Sustainability and Environmental Change, edited by R.J. Naiman. New York: Springer-Verlag.

Hetrick, N.J., M.A. Brusven, T.C. Bjornn, R.M. Keith, and W.R. Meehan. 1998. Effects of Canopy Removal on Invertebrates and Diet of Juvenile Coho Salmon in a Small Stream in Southeast Alaska. Transactions of the American Fisheries Society 127(6): 876-888.

Hewitt, M., R. Schryer, A. Pryce, A. Belknap, B. Firth, and G. Van Der Kraak. 2005. Accumulation of Hormonally Active Substances by Wild White Sucker (Catostomus Commersoni) Exposed to Effluents Discharged to the Wabigoon River. Water Quality Research Journal of Canada 40(3): 315-327.

Heywood, M.J.T., and D.E. Walling. 2007. The Sedimentation of Salmonid Spawning Gravels in the Hampshire Avon Catchment, UK: Implications for the Dissolved Oxygen Content of Intragravel Water and Embryo Survival. Hydrological Processes 21(6): 770-788.

Hickey, M.B.C., and B. Doran. 2004. A Review of the Efficiency of Buffer Strips for the Maintenance and Enhancement of Riparian Ecosystems. Water Quality Research Journal of Canada 39(3): 311-317.

Hicks, B.J., J.D. Hall, P.A. Bisson and J.R. Sedell. 1991. Responses of Salmonids to Habitat Change. Pp. 483-518 in W.R. Meehan (ed.), Influences of Forest and Rangeland Management on Salmonid Fishes and Their Habitats. Bethesda, Maryland: American Fisheries Society Special Publication 19.

- Hicks, B.J., M.S. Wipfli, D.W. Lang, and M.E. Lang. 2005. Marine-Derived Nitrogen and Carbon in Freshwater-Riparian Food Webs of the Copper River Delta, Southcentral Alaska. Oecologia 144(4): 558-569.
- Higgins, K., P. Schlenger, J. Small, D. Hennessy, and J. Hall. 2005. Spatial relationships between beneficial and detrimental nearshore habitat parameters in WRIA 9 and the City of Seattle. Proceedings of the 2005 Puget Sound Georgia Basin Research Conference.
- Hilderbrand, R.H., A.D. Lemly, C.A. Dolloff, and K.L. Harpster. 1997. Effects of Large Woody Debris Placement on Stream Channels and Benthic Macroinvertebrates. Canadian Journal of Fisheries and Aquatic Sciences 54(4): 931-939.
- Hill, D.F., and M.M. Beachler. 2002. ADV Measurements of Planing Boat Prop Wash in the Extreme Near Field. Hydraulic Measurements and Experimental Methods. Proceedings of the Specialty Conference July 28-August 1, 2002, Estes Park, Colorado; Sponsored by environmental and Water Resources Institute of ASCE, and International Association of Hydraulic Engineering and Research.
- Hill, M.J., E.A. Long, and S. Hardin. 1993. Effects of Dam Removal on Dead Lake, Chipola River, Florida. Apalachicola River Watershed Investigations F-39-R. Florida Game and Fresh Water Fish Commission.
- Hilton, J., and G.L. Phillips. 1982. The Effect of Boat Activity on Turbidity in a Shallow Broadland River. Journal of Applied Ecology 19: 143-150.
- Hinchey, E.K., L.C. Schaffner, C.C. Hoar, B.W. Vogt, and L.P. Batte. 2006. Responses of Estuarine Benthic Invertebrates to Sediment Burial: The Importance of Mobility and Adaptation. Hydrobiologia 556: 85-98.
- Hinson, D., C.R. Steward, S.E. Wills, T.J. Kock, M.A. Kritter, T.L. Liedtke, and D.W. Rondorf. 2007. Adult Salmonid Migration Behavior in the North Fork Toutle River, Washington Following the 1980 Eruption of Mount St. Helens. American Fisheries Society/Sea Grant Symposium Mitigating Impacts of Natural Hazards on Fishery Ecosystems. San Francisco, California.
- Hinton, S.A., R.L. Emmett, and G.T. McCabe. 1992. Benthic Invertebrates, Demersal Fishes and Sediment Characteristics at and Adjacent to Ocean Dredge Material Disposal Site F, Offshore from the Columbia River, June 1989-1990.
- Hiratsuka, J.I., M. Yamamuro, and Y. Ishitobi. 2007. Long-Term Change in Water Transparency before and after the Loss of Eelgrass Beds in an Estuarine Lagoon, Lake Nakaumi, Japan. Limnology 8(1): 53-58.
- Hirose, T., and K. Kawaguchi. 1998. Sediment Size Composition as an Important Factor in the Selection of Spawning Site by the Japanese Surf Smelt Hypomesus Japonicus. Fisheries Science 64(6): 995-996.

- Hjort, R.C., P.L. Hulett, L.D. LaBolle, and H.W. Li. 1983. Fish and Invertebrates of Revetments and Other Habitats in the Willamette River, Oregon. Vicksburg, Mississippi: Waterways Experiment Station, Army Corps of Engineers.
- Hoar, W. S. 1951. The behavior of chum, pink, and coho salmon in relation to their seaward migration. Journal Fishery Research Board of Canada 8: 241-63. Cited in Nightingale and Simenstad 2001b.
- Hoar, W.S., M.H.A. Keenleyside, and R.G. Goodall. 1957. Reactions of Juvenile Pacific Salmon to Light. Journal Fishery Research Board of Canada 14: 815-830.
- Hoffmann, A. 2000. The Association of the Stream Caddisfly Lasiocephala Basalis (Kol.) (Trichoptera: Lepidostomatidae) with Wood. International Review of Hydrobiology 85(1): 79-93.
- Holing, D. 1994. The Sound and The Fury: Debate Gets Louder Over Ocean Noise Pollution and Marine Mammals. The Amicus Journal 16(3):19-25. Cited in Radle 2005.
- Holliman, F.M., J.B. Reynolds, and T.J. Kwak. 2003. Electroshock-Induced Injury and Mortality in the Spotfin Chub, a Threatened Minnow. North American Journal of Fish Management 23(3): 962-966.
- Holm, T.E., and P. Clausen. 2006. Effects of Water Level Management on Autumn Staging Waterbird and Macrophyte Diversity in Three Danish Coastal Lagoons. Biodiversity and Conservation 15(14): 4399-4423.
- Hood, W.G. 2004. Indirect Environmental Effects of Dikes on Estuarine Tidal Channels: Thinking Outside of the Dike for Habitat Restoration and Monitoring. Estuaries 27(2): 273-282.
- Hood, W.G. 2006. A Conceptual Model of Depositional, Rather Than Erosional, Tidal Channel Development in the Rapidly Prograding Skagit River Delta (Washington, USA). Earth Surface Processes and Landforms 31(14): 1824-1838.
- Horner, R.A. 1998. Harmful Algal Blooms in Puget Sound: General Perspective. Puget Sound Research: From Basic Science to Resource Management, Seattle, Washington, March 12 and 13, 1998. pp. 809-811.
- Hoshikawa, H., Y. Sakai, and A. Kijima. 1998. Growth Characteristics of the Hybrid between Pinto Abalone, Haliotis kamtschatkana Jonas, and Exo Abalone, H. discus hannai Ino, under High and Low Temperature. Journal of Shellfish Research 17(3): 673-677.
- Hossain, S., B.D. Eyre, and L.J. McKee. 2004. Impacts of Dredging on Dry Season Suspended Sediment Concentration in the Brisbane River Estuary, Queensland, Australia. Estuarine Coastal and Shelf Science 61(3): 539-545.

Howard, J.K., and K.M. Cuffey. 2003. Freshwater Mussels in a California North Coast Range River: Occurrence, Distribution, and Controls. Journal of the North American Benthological Society 22(1): 63-77.

Howell, M.D., M.D. Romano, and T.A. Rien. 2001. Draft outmigration timing and distribution of larval eucachon, Thaleichthys pacificus, in the lower Columbia River, Spring 2001. Washington Department of Fish and Wildlife and Oregon Department of Fish and Wildlife.

Hruby, T., T. Granger, K. Brunner, S. Cooke, K. Dublanica, R. Gersib, L. Reinelt, K. Richter, D. Sheldon, E. Teachout, A. Wald, and F. Weinmann. 1999. Methods for Assessing Wetland Functions Volume I: Riverine and Depressional Wetlands in the Lowlands of Western Washington. Publication #99-115. July. Washington Department Ecology, Olympia.

Hueckel, G.J. and R.L. Slayton. 1982. Fish foraging on an artificial reef in Puget Sound, Washington. Marine Fisheries Review 44:38-44. Cited in NRC 2001.

Hughes, G.W., and A.E. Peden. 1989. Status of the Umatilla Dace, Rhinichthys umatilla, in Canada. Canadian Field-Naturalist 103(2): 193-200.

Hull, J.H., J.M. Jersak, and C.A. Kasper. 1999. In Situ Capping of Contaminated Sediments: Comparing the Relative Effectiveness of Sand Vs. Clay Mineral-Based Sediment Caps. Proceedings of the 1999 Conference on Hazardous Waste Research, St. Louis, Missouri, May 24-27, 1999.

Hull, S.C. 1987. Macroalgal Mats and Species Abundance: A Field Experiment. Estuarine Coastal and Shelf Science 25: 519-532.

Hunt, R.J., M. Strand, and J.F. Walker. 2006. Measuring Groundwater-Surface Water Interaction and Its Effect on Wetland Stream Benthic Productivity, Trout Lake Watershed, Northern Wisconsin, USA. Journal of Hydrology 320(3-4): 370-384.

Hurst, C.K., and A. Brebner. 1969. Shore Erosion and Protection, St. Lawrence River – Canada. XXII International Navigation Congress, pp. 45-46.

Hutchings, J.A., and L. Gerber. 2002. Sex-Biased Dispersal in a Salmonid Fish. Proceedings of the Royal Society of London Series B-Biological Sciences 269(1508): 2487-2493.

Ikuta, K., Y. Suzuki, and S. Kitamura. 2003. Effects of low pH on the reproductive behavior of salmonid fishes. Fish Physiology and Biochemistry 28:407-410.

Illingworth and Rodkin, Inc. 2001. Noise and Vibration Measurements Associated with the Pile Installation Demonstration Project for the San Francisco-Oakland Bay Bridge East Span, Final Data Report.

Incardona, J. and N. Scholz. 2006. Cardiovascular defects in fish embryos exposed to polycyclic aromatic hydrocarbons. Available at:

http://www.nwfsc.noaa.gov/research/divisions/ec/ecotox/fishneurobiology/cardio.cfm (Accessed: 2006.10.23).

Incardona, J.P., T.K. Collier and N.L. Scholz. 2004. Defects in cardiac function precede morphological abnormalities in fish embryos exposed to polycyclic aromatic hydrocarbons. Toxicology and Applied Pharmacology 196(2):191-205.

Ingermann, R.L., M. Holcomb, M.L. Robinson, and J.G. Cloud. 2002. Carbon Dioxide and pH Affect Sperm Motility of White Sturgeon (Acipenser Transmontanus). Journal of Experimental Biology 205(18): 2885-2890.

Ingersoll, C.G., P.S. Haverland, E.L. Brunson, T.J. Canfield, F.J. Dwyuer, C.E. Henke, N.E. Kemble, D.R. Mount, and R.G. Fox. 1996. Calculation and Evaluation of Sediment Effect Concentrations for the Maphipod Hyalella Axteca and Midge Chrionomus Riparius. Journal of Great Lakes Research 22(3): 602-623. Cited in Stratus 2005b.

Ingram, J. 1982. Migration of Creosote and Its Components from Treated Piling Sections in a Marine Environment. Proceedings of the Annual Meeting of American Wood-Preservers' Association 78: 120-128.

Isaacson, M.A., Kennedy, and J. Baldwin. 1996. Wave Reflection Effects on Small Craft Motions. Canadian Journal of Engineering 23(2): 340-346.

Jackson, C.R., C.A. Sturm, and J.M. Ward. 2001. Timber Harvest Impacts on Small Headwater Stream Channels in the Coast Ranges of Washington. Journal of the American Water Resources Association 37(6): 1533-1549.

Jackson, G.A. 1984. Internal Wave Attenuation by Coastal Kelp Stands. Journal of Physical Oceanography 14: 1300-1306.

Jackson, N.L., K.F. Nordstrom, and D.R. Smith. 2005. Influence of Waves and Horseshoe Crab Spawning on Beach Morphology and Sediment Grain-Size Characteristics on a Sandy Estuarine Beach. Sedimentology 52(5): 1097-1108.

Jacobs, P.H., and U. Forstner. 1999. Concept of Subaqueous Capping of Contaminated Sediments with Active Barrier Systems (ABS) Using Natural and Modified Zeolites. Water Research 33(9): 2083-2087.

Jacobsen, E.E. and M.L. Schwartz. 1981. The use of geomorphic indicators to determine the direction of net shore-drift. Shore and Beach 49:38-43.

Jacobson, K.C., M.R. Arkoosh, A.N. Kagley, E.R. Clemons, T.K. Collier, and E. Casillas. 2003. Cumulative Effects of Natural and Anthropogenic Stress on Immune Function and Disease Resistance in Juvenile Chinook Salmon. Journal of Aquatic Animal Health 15(1): 1-12.

- Jacobson, P.J., K.M. Jacobson, P.L. Angermeier, and D.S. Cherry. 1999. Transport, Retention, and Ecological Significance of Woody Debris within a Large Ephemeral River. Journal of the North American Benthological Society 18(4): 429-444.
- Jacobson, R.B. 2006. Geomorphic Context and Effects of Instream Gravel Mining and Bank Stabilization Activities. Columbia, Missouri: United States Geological Survey Columbia Environmental Research Center Administrative Letter Report.
- Jager, H.I. 2006. Chutes and Ladders and Other Games We Play with Rivers. I. Simulated Effects of Upstream Passage on White Sturgeon. Canadian Journal of Fisheries and Aquatic Sciences 63(1): 165-175.
- Jamieson, G.S. 1999. Review of status of northern, or pinto, abalone, Haliotis kamtschatkana, in Canada. Department of Fisheries and Oceans Canada, Canadian Stock Assessment Secretariat Research Document 99/190.
- JASCO. 2005. British Columbia Transmission Corporation, Vancouver Island Transmission Reienforcement Project, Atmospheric and Underwater Acoustics Assessment Report. Victoria, B.C., Canada. December 15.
- Jennings, M.J., E.E. Emmons, G.R. Hatzenbeler, C. Edwards, and M.A. Bozek. 2003. Is Littoral Habitat Affected by Residential Development and Land Use in Watersheds of Wisconsin Lakes? Lake and Reservoir Management 19(3): 272-279.
- Jennings, M.J., M.A. Bozek, G.R. Hatzenbeler, E.E. Emmons, and M.D. Staggs. 1999. Cumulative Effects of Incremental Shoreline Habitat Modifications on Fish Assemblages in North Temperate Lakes. North American Journal of Fisheries Management 19: 18-27.
- Jensen, J.O.T. 2003. New mechanical shock sensitivity units in support of criteria for protection of salmonid eggs from blasting or seismic disturbance. Canadian Technical Report of Fisheries and Aquatic Sciences 2452. Fisheries and Oceans Canada Science Branch, Pacific Biological Station, Nanaimo, British Columbia.
- Jensen, P.G., P.D. Curtis, M.E. Lehnert, and D.L. Hamelin. 2001. Habitat and Structural Factors Influencing Beaver Interference with Highway Culverts. Wildlife Society Bulletin 29(2): 654-664.
- Jia, Y., T. Kitamura, and S.S.Y. Wang. 2001. Simulation of Scour Process in Plunging Pool of Loose Bed-Material. Journal of Hydraulic Engineering-ASCE 127(3): 219-229.
- Johannes, R.E. 1980. The Ecological Significance of the Submarine Discharge of Groundwater. Marine Ecology-Progress Series 3(4): 365-373.
- Johannessen, J.W., A. MacLennan, and A. McBride. 2005. Inventory and Assessment of Current and Historic Beach Feeding Sources/Erosion and Accretion Areas for the Marine

Shorelines of Water Resource Inventory Areas 8 & 9, Prepared by Coastal Geologic Services, Prepared for King County Department of Natural Resources and Parks, Seattle, WA.

Johnson, D.D. and D.J. Wildish. 1982. Effect of Suspended Sediment on Feeding by Larval Herring (Clupea harengus harengus L.), Bulletin of Environmental Contamination and Toxicology, 29, 261-267.

Johnson, G.E., B.D. Ebberts, D.D. Dauble, A.E. Giorgi, P.G. Heisey, R.P. Mueller, and D.A. Neitzel. 2003. Effects of Jet Entry at High-Flow Outfalls on Juvenile Pacific Salmon. North American Journal of Fisheries Management 23(2): 441-449.

Johnson, L.L., and J.T. Landahl. 1994. Chemical Contaminants, Liver Disease, and Mortality Rates in English Sole (Pleuronectes Vetulus). Ecological Applications 4: 59-68.

Johnson, L.L., E. Casilllas, T.K. Collier, J.E. Stein, and U. Varanasi. 1993. Contaminant Effects of Reproductive Success in Selected Benthic Fish Species. Marine Environmental Research 35: 165-170.

Johnson, L.L., G.M. Ylitalo, M.R. Arkoosh, A.N. Kagley, C. Stafford, J.L. Bolton, J. Buzitis, B.F. Anulacion, and T.K. Collier. 2007. Contaminant Exposure in Outmigrant Juvenile Salmon from Pacific Northwest Estuaries of the United States. Environmental Monitoring and Assessment 124(1-3): 167-194.

Johnson, L.L., J.T. Landahl, K. Kardong, and B. Horness. 1995. Chemical Contaminants, Fishing Pressure, and Population Growth of Puget Sound English Sole (Pleuronectes Vetulus). Puget Sound Research '95 Proceedings, Bellevue, Washington, pp. 686-698.

Johnson, L.L., T.K. Collier, and J.E. Stein. 2002. An Analysis in Support of Sediment Quality Thresholds for Polycyclic Aromatic Hydrocarbons (PAHs) to Protect Estuarine Fish. Aquatic Conservation: Marine and Freshwater Ecosystems 12: 517-538.

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. NOAA Technical Memorandum NMFS-NWFSC- 37. Northwest Fisheries Science Center. Seattle, Washington. Available at: http://www.nwfsc.noaa.gov/publications/techmemos/tm37/tm37.html (Accessed 2006.10.04).

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, NOAA Technical Memorandum Seattle, Washington: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service.

Johnson, P.N., F.A. Goetz, and G.R. Ploskey. 1998. Unpublished Report on Salmon Light Study at Hiram M. Chittenden Locks. Stevenson, Washington: U.S. Army Corps of Engineers.

Johnson, P.N., K. Bouchard, and F.A. Goetz. 2005. Effectiveness of Strobe Lights for Reducing Juvenile Salmonid Entrainment into a Navigation Lock. North American Journal of Fisheries Management 25(2): 491-501.

Johnson, S.L., and J.A. Jones. 2000. Stream Temperature Responses to Forest Harvest and Debris Flows in Western Cascades, Oregon. Canadian Journal of Fisheries and Aquatic Sciences 57(S2): 30-39.

Johnson, S.W., and J.F. Thedinga. 2005. Fish Use and Size of Eelgrass Meadows in Southeastern Alaska: A Baseline for Long-Term Assessment of Biotic Change. Northwest Science 79(2-3): 141-155.

Johnston, C.A., and R.J. Naiman. 1990. Aquatic Patch Creation in Relation to Beaver Population Trends. Ecology 71(4): 1617-1621.

Johnston, S.G., P.G. Slavich, and P. Hirst. 2005a. The Impact of Controlled Tidal Exchange on Drainage Water Quality in Acid Sulphate Soil Backswamps. Agricultural Water Management 73(2): 87-111.

Johnston, S.G., P.G. Slavich, and P. Hirst. 2005b. Opening Floodgates in Coastal Floodplain Drains: Effects on Tidal Forcing and Lateral Transport of Solutes in Adjacent Groundwater. Agricultural Water Management 74(1): 23-46.

Jones and Stokes. 2002. San Juan Islands Cable Replacement Project. Nearshore Habitat Disturbance Year 1 Post-Construction Monitoring Report. November 21. (J&S 0P001.00.005) Bellevue, WA. Prepared for Bonneville Power Administration. Vancouver, WA.

Jones and Stokes. 2005. San Juan Islands Cable Replacement Project. Nearshore Habitat Recovery 2005 Post-Construction Monitoring Report. December. (J&S 0P011.03.002) Bellevue, WA. Prepared for Bonneville Power Administration. Vancouver, WA.

Jones and Stokes. 2006. Biological Assessment. Vancouver Island Transmission Reinforcement Project. May. (J&S 05197.05) Bellevue, WA. Prepared for British Columbia Transmission Corporation (BCTC).

Jones and Stokes. 2006. Overwater Structures and Non Structural Piling (White Paper). Prepared by Jones and Stokes Associates, in association with Anchor Environmental, L.L.C., and R2 Consultants for the Washington Department of Fish and Wildlife, Olympia, Washington.

Jones and Stokes. 2006b. Water Crossings White Paper. Prepared by Jones and Stokes Associates, in association with Anchor Environmental, L.L.C., and R2 Consultants for the Washington Department of Fish and Wildlife, Olympia, Washington.

Jones and Stokes. 2006. Biological Assessment. Vancouver Island Transmission Reinforcement Project. May. (J&S 05197.05) Bellevue, WA. Prepared for British Columbia Transmission Corporation (BCTC).

Jones, A.W. 1996. Concentration of Trace Metals in Two Species of Planktonic Copepods from the Duwamish River Estuary, Elliott Bay, and the Main Basin of Puget Sound (Abstract). Pacific Estuarine Research Society 19th Annual Meeting.

Jones, J.B., S.G. Fisher, and N.B. Grimm. 1995. Nitrification in the Hyporheic Zone of a Desert Stream Ecosystem. Journal of the North American Benthological Society 14: 249-258.

Joy, M.K., and R.G. Death. 2001. Control of Freshwater Fish and Crayfish Community Structure in Taranaki, New Zealand: Dams, Diadromy or Habitat Structure? Freshwater Biology 46(3): 417-429.

Jungwirth, M., O. Moog, and S. Muhar. 1993. Effects of River Bed Restructuring on Fish and Benthos of a 5th-Order Stream, Melk, Austria. Regulated Rivers-Research & Management 8(1-2): 195-204.

Junk, W.J., P.B. Bayley, and R.E. Sparks. 1989. The Flood Pulse Concept in River-Floodplain Systems. Proceedings of the International Large River Symposium, Ottawa, Canada, pp. 110-127.

Kadlec, R., and R. Knight. 1996. Treatment Wetlands. Boca Raton, Florida: CRC Press/Lewis Publishers.

Kahler, T.H. and T.P. Quinn. 1998. Juvenile and resident salmonid movement and passage through culverts. Prepared for Washington State Transportation Commission and U.S. Department of Transportation. Prepared by Fisheries Research Institute, University of Washington.

Kahler, T.H., M. Grassley, and D. Beauchamp. 2000. A Summary of the Effects of Bulkheads, Piers, and Other Artificial Structures and Shorezone Development on ESA-Listed Salmonids in Lakes. Prepared for The City of Bellevue by The Watershed Company, Kirkland, Washington. July 2000.

Kahler, T.H., P. Roni, and T.P. Quinn. 2001. Summer Movement and Growth of Juvenile Anadromous Salmonids in Small Western Washington Streams. Canadian Journal of Fisheries & Aquatic Sciences 58(10): 1947-1956.

Kail, J. 2003. Influence of Large Woody Debris on the Morphology of Six Central European Streams. Geomorphology 51(1-3): 207-223.

Kaller, M.D., and W.E. Kelso. 2007. Association of Macroinvertebrate Assemblages with Dissolved Oxygen Concentration and Wood Surface Area in Selected Subtropical Streams of the Southeastern USA. Aquatic Ecology V41(1): 95-110.

Kalmijn, A.J. 1988. Hydrodynamic and Acoustic Field Detection. In Sensory Biology of Aquatic Animals, edited by J. Atema, R.R. Fay, A.N. Popper and W.N. Tavolga. New York: Springer-Verlag. pp. 83-130.

Kang, S.-M., J.J. Morrell, J. Simonsen, and S.T. Lebow. 2003. Creosote Movement from Treated Wood Immersed in Fresh Water: Initial PAH Migration. IRG/WP/03-5. International Research Group on Wood Preservation. Prepared for the 34th Annual Meeting, Brisbane, Australia, 18-25 May. Cited in Stratus 2005a.

Kapoor, B.G., and B. Khanna, eds. 2004. Ichthyology Handbook. Berlin: Springer-Verlag. 1080 pp.

Karp, C.A., and G. Mueller. 2002. Razorback Sucker Movements and Habitat Use in the San Juan River Inflow, Lake Powell, Utah, 1995-1997. Western North American Naturalist 62(1): 106-111.

Karr, J.R. 1991. Biological Integrity - a Long-Neglected Aspect of Water-Resource Management. Ecological Applications 1(1): 66-84.

Karrow, N.A., H.J. Boermans, D.G. Dixon, A. Hontella, K.R. Solomon, J.J. Whyte, and N.C. Bols. 1999. Characterizing the immunotoxicity of creosote to rainbow trout (Oncorhynchus mykiss): A microcosm study. Aquatic Toxicology 45(4):223-239. Cited in Stratus 2005a.

Katano, O., T. Nakamura, S. Abe, S. Yamamoto, and Y. Baba. 2006. Comparison of Fish Communities between Above- and Below-Dam Sections of Small Streams; Barrier Effect to Diadromous Fishes. Journal of Fish Biology 68(3): 767-782.

Katopodis, C. 1992. Introduction to Fishway Design. Freshwater Institute, Central and Arctic Region, Department of Fisheries and Oceans, Canada.

Kauffman, J.B., R.L. Beschta, and W.S. Platts. 1993. Fish Habitat Improvement Projects in the Fifteenmile Creek and Trout Creek Basins of Central Oregon: Field Review and Management Recommendations. DOE/BP-18955-1; Other: ON: DE93019488. United States.

Kawamata, S. 2001. Adaptive Mechanical Tolerance and Dislodgement Velocity of the Kelp Laminaria Japonica in Wave-Induced Water Motion. Marine Ecology-Progress Series 211: 89-104.

Keller, E.A., and F.J. Swanson. 1979. Effects of Large Organic Material on Channel Form and Fluvial Processes. Earth Surface Processes and Landforms 4(4): 361-380.

Kelley, D.S., J.A. Baross, and J.R. Delaney. 2002. Volcanoes, Fluids, and Life at Mid-Ocean Ridge Spreading Centers. Annual Review of Earth and Planetary Sciences 30: 385-491.

Kelsey, K.A., and S.D. West. 1998. Riparian Wildlife. In River Ecology and Management: Lessons from the Pacific Coastal Ecoregion, edited by R.J. Naiman and R.E. Bilby. New York: Springer-Verlag.

Kemp, P.S., M.H. Gessel, B.P. Sandford, and J.G. Williams. 2006. The Behavior of Pacific Salmonid Smolts During Passage over Two Experimental Weirs under Light and Dark Conditions. River Research and Applications 22(4): 429-440.

Kendall, A.W. and W.H. Lenarz. 1986. Status of early life history studies of northeast Pacific rockfishes. Pages 99-128 in: Proceedings International Rockfish Symposium. Anchorage, Alaska: Alaska Sea Grant College Program. Cited in NRC 2001.

Kennish, M.J. 2002. Impacts of Motorized Watercraft on Shallow Estuarine and Coastal Marine Environments. Journal of Coastal Research Special Issue 37.

Kenworthy, W.J., and D.E. Haunert. 1991. The Light Requirements of Seagrasses: Proceedings of a Workshop to Examine the Capability of Water Quality Criteria, Standards and Monitoring Programs to Protect Seagrasses. National Oceanic and Atmospheric Administration.

Key, L.O., J.A. Jackson, C.R. Sprague, and E.E. Kerfoot. 1994. Nearshore habitat use by subyearling chinook salmon in the Columbia and Snake rivers. pp 120-150 in D.W. Rondorf and W.H. Miller. Identification of the spawning, rearing and migratory requirements of fall chinook salmon in the Columbia River Basin. Annual Report, 1992. U.S. Geological Survey, Columbia River Research Laboratory, Cook WA. Report to Bonneville Power Administration. Report No. DOE/BP-21708-3.

Kiefer, R.B., and J.N. Lockhart. 1995. Idaho Department of Fish and Game Intensive Evaluation and Monitoring of Chinook Salmon and Steelhead Production, Crooked River and Upper Salmon River Sites, Annual Progress Report January 1, 1993 - December 31, 1993.

Kiel, S. 2006. New Records and Species of Molluscs from Tertiary Cold-Seep Carbonates in Washington State, USA. Journal of Paleontology 80(1): 121-137.

King County. 2000. Selected ongoing and recent research on chinook salmon in the greater Lake Washington watershed. Conference held on November 8–9, 2000 in Seattle Washington by King County Department of Natural Resources, Wastewater Treatment Division. Cited in Carrasquero 2001.

King, D.M., N.J. Cooper, J.C. Morfett, and D.J. Pope. 2000. Application of offshore breakwaters to the UK: A case study at Elmer Beach. Journal of Coastal Research 16(1): 172-187.

Kingsford, R.T. 2000. Ecological Impacts of Dams, Water Diversions and River Management on Floodplain Wetlands in Australia. Austral Ecology 25(2): 109-127.

Kiorboe, T., F. Mohlenberg, and O. Nohr. 1981. Effect of Suspended Bottom Material on Growth and Energetics in Mytilus-Edulis. Marine Biology 61(4): 283-288.

Kishi, D., M. Murakami, S. Nakano, and Y. Taniguchi. 2004. Effects of Forestry on the Thermal Habitat of Dolly Varden (Salvelinus Malma). Ecological Research 19(3): 283-290.

Kitano, S., and K. Shimazaki. 1995. Spawning Habitat and Nest Depth of Female Dolly-Varden Salvelinus-Malma of Different Body-Size. Fisheries Science 61(5): 776-779.

Knapp, S.M. 1992. Evaluation of Juvenile Fish Bypass and Adult Fish Passage Facilities at Water Diversions in the Umatilla River, Progress Report 1990-1991. DOE/BP-01385-2, Oregon Dept. of Fish and Wildlife, Portland, Oregon.

Knighton, D. 1998. Fluvial Forms and Processes: A New Perspective. London: Arnold.

Knudsen, E.E., and S.J. Dilley. 1987. Effects of Riprap Bank Reinforcement on Juvenile Salmonids in Four Western Washington Streams. North American Journal of Fisheries Management 7: 351-356.

Knudsen, F.R., P.S. Enger, and O. Sand. 1992. Awareness Reactions and Avoidance Responses to Sound in Juvenile Atlantic Salmon, Salmo Salar. Journal of Fish Biology 40: 523-534.

Knutson, K. L., and V. L. Naef. 1997. Management recommendations for Washington's priority habitats: riparian. Olympia, Washington: Washington Department of Fish and Wildlife. 181 pp.

Knutson, P.L. and W.W. Woodhouse Jr. 1983. Shore stabilization with salt marsh vegetation. Special Report No. 9. U.S. Army Corps of Engineers, Fort Belvior, Virginia.

Koch, E.M. 2001. Beyond Light: Physical, Geological, and Geochemical Parameters as Possible Submersed Aquatic Vegetation Habitat Requirements. Estuaries 24(1): 1-17.

Koch, E.W., and S. Beer. 2006. Tides, Light and the Distribution of Zostera Marina in Long Island Sound, USA. Aquatic Botany 53(1-2): 97-107.

Kock, T.J., J.L. Congleton, and P.J. Anders. 2006. Effects of Sediment Cover on Survival and Development of White Sturgeon Embryos. North American Journal of Fisheries Management 26(1): 134-141.

Kogan, I., C.K. Paull, L. Kuhnz, E.J. Burton, S. Von Thun, H.G. Greene, and J.P. Barry. 2003. Environmental impact of the ATOC/Pioneer Seamount submarine cable. www.montereybay.noaa.gov/research/techreports/cablesurveynov2003.pdf. (Accessed 2006.10.04).

Komar, P.D. 1998. Beach Processes and Sedimentation. Princeton, New Jersey: Prentice Hall.

Kondolf, G.M. 1997. Hungry Water: Effects of Dams and Gravel Mining on River Channels. Environmental Management 21(4): 533-551.

Kondolf, G.M., and M.G. Wolman. 1993. The Sizes of Salmonid Spawning Gravels. Water Resources Research 29(7): 2275-2285.

Kondolf, G.M., and R.R. Curry. 1986. Channel Erosion Along the Carmel River, Monterey County, California. Earth Surface Processes and Landforms 11: 307-319.

Kondolf, G.M., J.C. Vick, and T.M. Ramirez. 1996. Salmon Spawning Habitat Rehabilitation on the Merced River, California: An Evaluation of Project Planning and Performance. Transactions of the American Fisheries Society 125(6): 899-912.

Kondolf, G.M., M. Smeltzer, and L. Kimball. 2002. White Paper–Freshwater Gravel Mining and Dredging Issues. Berkeley, California: Prepared for Washington Department of Wildlife, Washington Department of Ecology, and Washington Department of Transportation.

Kondolf, M.G., M.J. Sale, and M.G. Wolman. 1993. Modification of Fluvial Gravel Size by Spawning Salmonids. Water Resources Research 29(7): 2265-2274.

Konisky, R.A., D.M. Burdick, M. Dionne, and H.A. Neckles. 2006. A Regional Assessment of Salt Marsh Restoration and Monitoring in the Gulf of Maine. Restoration Ecology 14: 516-525.

Konrad, C.P. 2000. The Frequency and Extent of Hydrologic Disturbances in Streams in the Puget Lowland, Washington. Ph.D. Dissertation Thesis, University of Washington, Seattle, Washington, 212 pp.

Korman, J., and P.S. Higgins. 1997. Utility of Escapement Time Series Data for Monitoring the Response of Salmon Populations to Habitat Alteration. Canadian Journal of Fisheries and Aquatic Sciences 54(9): 2058-2067.

Kosheleva, V. 1992. The impact of air guns used in marine seismic explorations on organisms, living in the Barents Sea. Fisheries and Offshore Petroleum Exploitation 2nd International Conference, Bergen, Norway, 6-8 April 1992. Cited in Turnpenny et al. 1994.

Kozloff, E. 1993. Seashore life of the northern Pacific coast: an illustrated guide to northern California, Oregon, Washington, and British Columbia. University of Washington Press. Seattle, WA.

Kozloff, E. 1983. Seashore life of the northern Pacific coast: an illustrated guide to northern California, Oregon, Washington, and British Columbia. University of Washington Press. Seattle, WA. Book.

Kozlowski, T.T. 2002. Physiological-Ecological Impacts of Flooding on Riparian Forest Ecosystems. Wetlands 22(3): 550-561.

Kramer, D. E. and O'Connell, V.M., 1995. Guide to Northeast Pacific rockfishes: Genera Sebastes and Sebastolobus. Alaska Sea Grant Marine Advisory Bulletin, 25. 78pp.

Kramer, D.E., and V.M. O'Connell. 1995. Guide to Northeast Pacific Rockfishes. Alaska Sea Grant Marine Advisory Bulletin No. 25.

Krone, C.A., D.W. Brown, D.G. Burrows, S. Chan, and U. Varanasi. 1989a. Butyltins in Sediment from Marinas and Waterways in Puget Sound, Washington State, USA. Marine Pollution Bulletin 20(10): 528-531.

Krone, C.A., D.W. Brown, D.G. Burrows, S.L. Chan, and U. Varanasi. 1989b. Tributyltin Contamination of Sediment and English Sole from Puget Sound. Ocean's 98, Seattle, Washington, pp. 545-549.

Krueger, K., P. Chapman, M. Hallock, and T. Quinn. 2007. Some Effects of Suction Dredge Placer Mining on the Short-Term Survival of Freshwater Mussels in Washington Final Report (Draft) USFSW HPA/HCP Grant E-29-HP. Olympia, Washington: Washington Department of Fish and Wildlife Habitat and Fisheries Programs.

Kruer, C.R. 1994. Mapping assessment of vessel damage to shallow seagrasses in the Florida Keys. Final Report for contract 47-10-123-L3. Florida Department of Natural Resources and Floarida Institute of Oceanography, St. Petersburg, Florida. Cited in Dawes et al. 2004.

Krumholz, L.A. 1943. A comparative study of the weberian ossicles in North American Ostariophysine fishes. Copeia 1943(1): 33-40.

Kynard, B., and E. Parker. 2005. Ontogenetic Behavior and Dispersal of Sacramento River White Sturgeon, Acipenser transmontanus, with a Note on Body Color. Environmental Biology of Fishes 74(1): 19-30.

Kynard, B., E. Parker, and T. Parker. 2005. Behavior of early life intervals of Klamath River green sturgeon, Acipenser medirostris with a note on body color. Environmental Biology of Fishes 72(1): 85-97. Available at http://www.springerlink.com/content/v55401j240453410/ (Accessed 2006.10.06).

Laasonen, P., T. Muotka, and I. Kivijarvi. 1998. Recovery of Macroinvertebrate Communities from Stream Habitat Restoration. Aquatic Conservation-Marine and Freshwater Ecosystems 8(1): 101-113.

Lagardère, J.P. 1982. Effects of Noise on Growth and Reproduction of Crangon crangon in Rearing Tanks. Marine Biology 71(2): 177-185.

Lagardère, J.P., and M.R. Régnault. 1980. Influence Du Niveau Sonore De Bruit Ambiant Sur Le Métabolisme De Crangon crangon (Decapoda: Natantia) En Élevage. Marine Biology 57(3): 157-164.

Lagasse, P.F., L.W. Zevenbergen, J.D. Schall, and P.E. Clopper. 2001. Bridge Scour and Stream Instability Countermeasures. Washington D.C. Federal Highway Administration, U.S. Department of Transportation.

Lagler, K.F., A.S. Hazzard, W.E. Hazen, and W.A. Tompkins. 1950. Outboard motors in relation to fish behavior, fish production and angling success. Pp. 280–303 in Transactions of the 15th Annual North American Wildlife Conference. Cited in Carrasquero 2001.

Lake, R.G., and S.G. Hinch. 1999. Acute Effects of Suspended Sediment Angularity on Juvenile Coho Salmon (Oncorhynchus Kisutch). Canadian Journal of Fisheries and Aquatic Sciences 56(5): 862-867.

Lamb, M.P., E. D'Asaro, and J.D. Parsons. 2004. Turbulent Structure of High-Density Suspensions Formed under Waves. Journal of Geophysical Research-Oceans 109(C12).

Lamberti, G.A., S.V. Gregory, L.R. Ashkenas, A.D. Steinman, and C.D. McIntire. 1989. Productive Capacity of Periphyton as a Determinant of Plant Herbivore Interactions in Streams. Ecology 70(6): 1840-1856.

Lampert, W. 1978. Release of Dissolved Organic-Carbon by Grazing Zooplankton. Limnology and Oceanography 23(4): 831-834.

Lancaster, S.T., S.K. Hayes, and G.E. Grant. 2001. Modeling Sediment and Wood Storage and Dynamics in Small Mountainous Watersheds. In Geomorphic Processes and Riverine Habitat, edited by J.B. Dorava, Montgomery, D.R., Palcsak, B., Fitzpatrick, F. Washington DC: American Geophysical Union. pp. 85-102.

Lane, E.W. 1955. The Importance of Fluvial Morphology in Hydraulic Engineering. Proceedings of the American Society of Civil Engineers 81: 745-761.

Lange, M. 1999. Abundance and diversity of fish in relation to littoral and shoreline features. M.S. Thesis. University of Guelph, Guelph, Ontario, Canada. 46 p. plus appendices. In Kahler et al. 2000.

Langer, O.E., B.G. Shepherd, and P.R. Vroom. 1977. Biology of the Nass River eulachon (Thaleichthys pacificus). Department of Fisheries and Environment Canada, Fisheries and Marine Service, Technical Report Series No. PAC, T-77-10. 56 p. Cited in Wilson et al 2006.

Larinier, M. 1998. Small-Scale Hydropower Schemes and Migratory Fish Passage. Houille Blanche-Revue Internationale De L Eau 53(8): 46-51.

Laroche, W.A. and S.L. Richardson. 1981. Development of larvae and juveniles of the rockfishes Sebastes entomelas and S. zacentrus (Family Scorpaenidae) and occurrence off Oregon, with notes on head spines of S. mystinus, S. flavidus, and S. melanops. Fishery Bulletin 79:231-256. Cited in NRC 2001.

Larsen, E.M., E. Rodrick, and R. Milner. 1995. Management recommendations for Washington's priority species, Volume 1: Invertebrates. Olympia, WA: Washington Department of Fish and Wildlife.

Larson, K.W., and C.E. Moehl. 1990. Entrainment of Anadromous Fish by Hopper Dredge at the Mouth of the Columbia River. September 8-9, 1990. pp. 102-112.

Larson, M.G., D.B. Booth, and S.A. Morley. 2001. Effectiveness of Large Woody Debris in Stream Rehabilitation Projects in Urban Basins. Ecological Engineering 18(2): 211-226.

Latterell, J.J., J.S. Bechtold, T.C. O'Keefe, R. Van Pelt, and R.J. Naiman. 2006. Dynamic Patch Mosaics and Channel Movement in an Unconfined River Valley of the Olympic Mountains. Freshwater Biology 51(3): 523-544.

Lauck, B., R. Swain, and L. Barmuta. 2005. Impacts of Shading on Larval Traits of the Frog Litoria Ewingii in a Commercial Forest, Tasmania, Australia. Journal of Herpetology 39: 478-486.

Laughlin, J. 2004. Underwater Sound Levels Associated with the Construction of the SR 240 Bridge on the Yakima River at Richland. Seattle, Washington: Washington State Department of Transportation, Office of Air Quality and Noise.

Laughlin, J. 2005. Underwater Sound Levels Associated with the Restoration of the Friday Harbor Ferry Terminal. Seattle, Washington: Washington State Department of Transportation.

Laughlin, J. 2006. Underwater sound levels associated with pile driving at the Cape Disappointment boat launch facility, wave barrier project. Washington State Parks Cape Disappointment Wave Barrier Project. Seattle, Washington: Washington Department of Transportation.

Lawler, D.M. 2005. Turbidity and Nephelometry. In Encyclopedia of Analytical Science, edited by P.J. Worsfold, A. Townsend and C.F. Poole. Elsevier. pp. 343-351.

Leary, R.F., and F.W. Allendorf. 1997. Genetic Confirmation of Sympatric Bull Trout and Dolly Varden in Western Washington. Transactions of the American Fisheries Society 126: 715-20.

LeBlanc, R.T., and R.D. Brown. 2000. The Use of Riparian Vegetation in Stream-Temperature Modification. Journal of the Chartered Institution of Water and Environmental Management 14(4): 297-303.

Lebow, S, D. Foster and P. Lebow. 2004. Rate of CCA leaching from commercially treated decking. Forest Products Journal. 54(2): 81-88. Cited in Stratus 2005b.

Lebow, S.T., and M. Tippie. 2001. Guide for Minimizing the Effect of Preservative-Treated Wood on Sensitive Environments. Madison, Wisconsin: U.S. Department of Agriculture, Forest Service, Forest Products Laboratory.

- Lee, D.S., C.R. Gilbert, C.H. Hocutt, R.E. Jenkins, D.E. McAllister, and J.R. Stauffer, Jr. 1980. Atlas of North American Freshwater Fishes. North Carolina State Museum of Natural History. 867 pp. Cited in Alaska Natural Heritage Program 2006
- Lee, R.F. 1985. Metabolism of Tributyltin Oxide by Crabs, Oysters and Fish. Marine Environmental Research 17: 145-148.
- Lefebvre, S., P. Marmonier, G. Pinay, O. Bour, L. Aquilina, and J. Baudry. 2005. Nutrient Dynamics in Interstitial Habitats of Low-Order Rural Streams with Different Bedrock Geology. Archiv Fur Hydrobiologie 164(2): 169-191.
- Leidholtbruner, K., D.E. Hibbs, and W.C. Mccomb. 1992. Beaver Dam Locations and Their Effects on Distribution and Abundance of Coho Salmon Fry in 2 Coastal Oregon Streams. Northwest Science 66(4): 218-223.
- Lemieux, J.P., J.S. Brennan, M. Farrell, C.D. Levings, and D. Myers. 2004. Proceedings of the DFO/PSAT Sponsored Marine Riparian Experts Workshop. Department of Fisheries and Oceans, Puget Sound Action Team. Tsawwassen, British Columbia: Canadian Manuscript Report of Fisheries and Aquatic Sciences.
- Leopold, L.B., M.G. Wolman, and J.P. Miller. 1964. Fluvial Processes in Geomorphology. San Francisco: W. H. Freeman and Company, pp. 156-160.
- Leopold, L.B., R. Huppman, and A. Miller. 2005. Geomorphic Effects of Urbanization in Forty-One Years of Observation. Proceedings of the American Philosophical Society 149: 349-371.
- Lepori, F., D. Palm, and B. Malmqvist. 2005. Effects of Stream Restoration on Ecosystem Functioning: Detritus Retentiveness and Decomposition. Journal of Applied Ecology 42(2): 228-238.
- Lepori, F., D. Palm, E. Brannas, and B. Malmqvist. 2005. Does Restoration of Structural Heterogeneity in Streams Enhance Fish and Macroinvertebrate Diversity? Ecological Applications 15(6): 2060-2071.
- Lessard, J.L., and R.W. Merritt. 2006. Influence of Marine-Derived Nutrients from Spawning Salmon on Aquatic Insect Communities in Southeast Alaskan Streams. Oikos 113(2): 334-343.
- Levings, C. D. and G. Jamieson. 2001. Marine and estuarine riparian habitats and their role in coastal ecosystems, Pacific region. Canadian Science Advisory Secretariat, Research Document 2001/109. 41 p. Available at: www.dfo-mpo.gc.ca/csas/.
- Levy, D.A. and T.G. Northcote. 1981. The distribution and abundance of juvenile salmon in marsh habitats of the Fraser River estuary. Tech. Rep. 25. University of British Columbia, Westwater Research Centre, Vancouver, B.C.

- 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.
- Lewis, A.F.J., M.D. McGurk, and M.G. Galesloot. 2002. Alcan's Kemano River eulachon (Thaleichthys pacificus) monitoring program 1988-1998. Consultant's report prepared by Ecofish Research Ltd. for Alcan Primary Metal Ltd., Kitimat, B.C. 136 p. Cited in Wilson et al. 2006.
- Li, H.W., C.B. Schreck, and R.A. Tubb. 1984. Comparison of Habitat near Spur Dikes, Continuous Revetments, and Natural Banks for Larval, Juvenile, and Adult fishers of the Willamette River, USGS: Water Resources Research Institute Publication WRRI-95. Corvallis, OR. As cited in Bolton and Shellberg 2001.
- Li, M.Z.L., and P.D. Komar. 1992. Longshore Grain Sorting and Beach Placer Formation Adjacent to the Columbia River. Journal of Sedimentary Petrology 62(3): 429-441.
- Liang, H.Z., M.P. Lamb, and J.D. Parsons. 2007. Formation of a Sandy near-Bed Transport Layer from a Fine-Grained Bed under Oscillatory Flow. Journal of Geophysical Research-Oceans 112(C2).
- Liknes, G.A. and P.J. Graham. 1988. Westslope cutthroat trout in Montana: life history, status and management. Pp. 53–60 in R.E. Gresswell (ed.), Status and management of cutthroat trout. Bethesda, Maryland: American Fisheries Society.
- Linbo, T.L., C.M. Stehr, J.P. Incardona, and N.L. Scholz. 2006. Dissolved copper triggers cell death in the peripheral mechanosensory system of larval fish. Environmental Toxicology and Chemistry 25(2): 597-603.
- Lisle, T.E., and J. Lewis. 1992. Effects of Sediment Transport on Survival of Salmonid Embryos in a Natural Stream a Simulation Approach. Canadian Journal of Fisheries and Aquatic Sciences 49(11): 2337-2344.
- Lister, D.B. and R.J. Finnigan. 1997. Rehabilitating off-channel habitat. In. P. A. Slaney and D. Zaldokas. Fish Habitat Rehabilitation Procedures. Watershed Restoration Technical Circular No. 9. Watershed Restoration Program, Vancouver, BC.
- Lister, D.B., R.J. Beniston, R. Kellerhals, and M. Miles. 1995. Rock size affects juvenile salmonid use of streambank riprap. Pages 621-632 In Thorne, C. R., S. R. Abt, F. B. J. Barends, S. T. Maynord and K. W. Pilarczyk, editors. River, coastal and shorleline protection: erosion control using riprap and armourstone. John Wiley & Sons, Ltd.
- Liu, H.Y., S.K. Zhang, Z.F. Li, X.G. Lu, and Q. Yang. 2004. Impacts on Wetlands of Large-Scale Land-Use Changes by Agricultural Development: The Small Sanjiang Plain, China. Ambio 33(6): 306-310.

Livingston, P.A. 1991. Food habitats and population level consumption of groundfish. Pages 9-88 in P.A. Livingston (ed.), Groundfish food habitats and predation on commercially important prey species in the Eastern Bering Sea from 1984 to 1986. U.S. Department of Commerce, NOAA Technical Memorandum NMFS F/NWC-207. Seattle, Washington. Cited in NRC 2001.

Lloyd, D.S. 1987. Turbidity as a Water Quality Standard for Salmonid Habitats in Alaska. North American Journal of Fisheries Management 7: 34-45.

Loflin, R.L. 1995. The Effects of Docks on Seagrass Beds in the Charlotte Harbor Estuary, Florida. Scientists 58: 198-205.

Loge, F.J., M.R. Arkoosh, T.R. Ginn, L.L. Johnson, and T.K. Collier. 2005. Impact of Environmental Stressors on Dynamics of Disease Transmission. Environmental Science and Technology 39: 7329-7336.

Long, E.R. and L.G. Morgan. 1991. The Potential for Biological Effects of Sediment-Sorbed Contaminants Tested in the National Status and Trends Program. NOAA Technical Memorandum NOS OMA 52. National Oceanic and Atmospheric Administration, Seattle, WA. (Appendix L; as cited in MacDonald et al., 2000b.) Cited in Stratus 2005b.

Lorang, M.S., J.A. Stanford, F.R. Hauer, and J.H. Jourdonnais. 1993. Dissipative and Reflective Beaches in a Large Lake and the Physical Effects of Lake Level Regulation. Ocean & Coastal Management 19(3): 263-287.

Losada, I.J., J.L. Lara, E.D. Christensen, and N. Garcia. 2005. Modeling of velocity and turbulence fields around and within low-crested rubble-mound breakwaters. Coastal Engineering 52(10-11): 887-913.

Love, M.S. 1991. Probably more than you want to know about the fishes of the Pacific coast. Really Big Press, Santa Barbara, California. 215p.

Love, M.S., and A. York. 2005. A comparison of the fish assemblages associated with an oil/gas pipeline and adjacent seafloor in the Santa Barbara Channel, southern California bight. Bulletin of Marine Science 77(1): 101-117.

Love, M.S., and A. York. 2006. The Relationships between Fish Assemblages and the Amount of Bottom Horizontal Beam Exposed at California Oil Platforms: Fish Habitat Preferences at Man-Made Platforms and (by Inference) at Natural Reefs. Fishery Bulletin 104(4): 542-549.

Love, M.S., D.M. Schroeder, W. Lenarz, A. MacCall, A.S. Bull, and L. Thorsteinson. 2006. Potential Use of Offshore Marine Structures in Rebuilding an Overfished Rockfish Species, Bocaccio (Sebastes paucispinis). Fishery Bulletin 104(3): 383-390.

Love, M.S., P. Morris, M. McCrae, and R. Collins. 1990. Life history aspects of 19 rockfish species (Scorpaenidae: Sebastes) from the southern California bight. NOAA, NMFS Tech. Rept. No. 87. 38pp. Cited in NRC 2001.

Ludwig, M., D. Rusanowsky, and C. Johnson-Hughes. 1997. The impact of installation and use of a pier and dock assembly on eelgrass (Zostera marina) at Star Island, Montauk NY: Kalikow Dock Study., NMFS. USFWS. Cited in Nightingale and Simenstad 2001b.

Luecke, C., and W.A. Wurtsbauch. 1993. Effects of Moonlight and Daylight on Hydroacoustic Estimates of Pelagic Fish Abundance. Transactions of the American Fisheries Society 122: 112-120.

Lund, J.A. 1976. Evaluation of stream channelization and mitigation on fisheries resources of the St. Regis River, Montaana, U.S. Fish and Wildlife Service; FWS/OBS-76/06.

Luning, K. 1981. Light. Pp. 326-355 in C.S. Lobban and M.J. Wynne (eds.), The Biology of Seaweeds. Oxford: Blackwell Sci. Publ.

Lunz, J. 1985. An Analysis of Available Information Concerning the Entrainment of Oyster Larvae During Hydraulic Cutterhead Dredging Operations with Commentary on the Reasonableness of Seasonally Restricting Dredging Windows. Vicksburg, Mississippi: U.S. Army Corps of Engineers Waterways Experiment Station.

Lussier, S.M., J.H. Gentile, and J. Walker. 1985. Acute and chronic effects of heavy metals and cyanide on Mysidopsis bahia (Crustacea:Mysidacea). Aquatic Toxicology 7(1-2):25-35. Cited in Stratus 2005b.

Lyons, T., J.A. Ickes, V.S. Magar, C.S. Albro, L. Cumming, B. Bachman, T. Fredette, T. Myers, M. Keegan, K. Marcy, and O. Guza. 2006. Evaluation of Contaminant Resuspension Potential During Cap Placement at Two Dissimilar Sites. Journal of Environmental Engineering-ASCE 132(4): 505-514.

MacAvoy, S.E., S.A. Macko, S.P. McIninch, and G.C. Garman. 2000. Marine Nutrient Contributions to Freshwater Apex Predators. Oecologia 122(4): 568-573.

MacBroom, J.R. 1998. The River Book - The Nature of Streams in Glaciated Terrains. Hartford, Connecticut: Connecticut Department of Environmental Protection.

MacDonald, A. 1988. Predicting Channel Recovery from Sand and Gravel Extraction in the Naugatuck River and Adjacent Floodplain. Proceedings of the National Conference, Colorado Springs, Colorado, pp. p.702-707.

MacDonald, D.D. 1994. Approach to the Assessment of Sediment Quality in Florida Coastal Waters. Volume I: Development and Evaluation of Sediment Quality Assessment Guidelines. Prepared for Florida Department of Environmental Protection. November. Cited in Stratus 2005b.

MacDonald, D.D., C.G. Ingersoll, and T.A. Berger. 2000. Development and Evaluation of Consensus-Based Sediment Quality Guidelines for Freshwater Ecosystems. Archives of Environmental Contamination and Toxicology 39(1): 20-31. Cited in Stratus 2005b.

MacDonald, D.D., T. Berger, K. Wood, J. Brown, T. Johnsen, M.L. Haines, K. Brydges, M.J. MacDonald, S.L. Smith, and D.P. Shaw. 2000b. A Compendium of Environmental Quality Benchmarks. GBE/EC-99-001. Prepared for Environment Canada. Cited in Long and Morgan 1991 via Stratus 2005b.

MacDonald, J.S., E.A. MacIsaac, and H.E. Herunter. 2003. The Effect of Variable-Retention Riparian Buffer Zones on Water Temperatures in Small Headwater Streams in Sub-Boreal Forest Ecosystems of British Columbia. Canadian Journal of Forest Research-Revue Canadienne De Recherche Forestiere 33(8): 1371-1382.

MacDonald, K.B., D. Simpson, B. Paulsen, J. Cox, and J. Gendron. 1994. Shoreline armoring effects on the physical coastal processes in Puget Sound, Washington. Coastal Erosion Management Studies, Volume 5. Shorelands and Coastal Zone Management Program, Washington Department of Ecology, Olympia, Washington.

Mace, P.M. 1983. Predatory-prey functional responses and predation by staghorn sculpins, Leptocottus armatus on chum salmon, Oncorhynchus keta. Doctoral dissertation, University of British Columbia, Vancouver, British Columbia. Cited in Tabor et al. 1998.

Maclennan, A. 2005. An Analysis of Large Woody Debris in Two Puget Sound Salt Marshes; Elger Bay, Camano Island, Sullivan Minor Marsh, Padilla Bay. Master's Thesis, Western Washington University, Bellingham, Washington.

Madej, M.A., and V. Ozaki. 1996. Channel Response to Sediment Wave Propagation and Movement, Redwood Creek, California, USA. Earth Surface Processes and Landforms 21(10): 911-927.

Magilligan, F.J., and K.H. Nislow. 2005. Changes in Hydrologic Regime by Dams. Geomorphology 71(1-2): 61-78.

Malins, D.C., B.B. McCain, D.W. Brown, S.L. Chan, M.S. Myers, J.T. Landahl, P.G. Prohaska, A.J. Friedman, L.D. Rhodes, D.G. Burrows, W.D. Gronlund, and H.O. Hodgins. 1984. Chemical Pollutants in Sediments and Diseases of Bottom-Dwelling Fish in Puget Sound, Washington. Environmental Science and Technology 18(9): 705-713.

Mamelona, J., and T. Pelletier. 2003. Butyltins Biomagnification from Macroalgae to Green Sea Urchin: A Field Assessment. Applied Organometallic Chemistry 17(10): 759-766.

Manashe, E. 1993. Vegetation management: A guide for Puget Sound bluff property owners. Shorelands and Coastal Zone Management Program. Washington Department of Ecology, Olympia, Washington.

Manga, M., and J.W. Kirchner. 2000. Stress partitioning in streams by large woody debris. Water Resources Research 36, 2373-2379.

Margolis, B.E., M.S. Castro, and R.L. Raesly. 2001. The Impact of Beaver Impoundments on the Water Chemistry of Two Appalachian Streams. Canadian Journal of Fisheries and Aquatic Sciences 58(11): 2271-2283.

Margolis, B.E., R.L. Raesly, and D.L. Shumway. 2001. The Effects of Beaver-Created Wetlands on the Benthic Macroinvertebrate Assemblages of Two Appalachian Streams. Wetlands 21(4): 554-563.

Marine, K.R., and J.J. Cech. 2004. Effects of High Water Temperature on Growth, Smoltification, and Predator Avoidance in Juvenile Sacramento River Chinook Salmon. North American Journal of Fisheries Management 24(1): 198-210.

Marsden, J.E., and M.A. Chotkowski. 2001. Lake Trout Spawning on Artificial Reefs and the Effect of Zebra Mussels: Fatal Attraction? Journal of Great Lakes Research 27(1): 33-43.

Marshall, D.W., M. Otto, J.C. Panuska, S.R. Jaeger, D. Sefton, and T.R. Baumberger. 2006. Effects of Hypolimnetic Releases on Two Impoundments and Their Receiving Streams in Southwest Wisconsin. Lake and Reservoir Management 22(3): 223-232.

Martens, D.W., and J.A. Servizi. 1993. Suspended Sediment Particles inside Gills and Spleens of Juvenile Pacific Salmon (Oncorhynchus Spp.). Canadian Journal of Fisheries and Aquatic Sciences 50: 586-590.

Martin, D.J. 2001. The Influence of Geomorphic Factors and Geographic Region on Large Woody Debris Loading and Fish Habitat in Alaska Coastal Streams. North American Journal of Fisheries Management 21(3): 429-440.

Maser, C., and J.R. Sedell. 1994. From the Forest to the Sea, the Ecology of Wood in Streams, Rivers, Estuaries, and Oceans. Delray Beach, Florida: St. Lucie Press.

Mason, C., W. Grogg, and S. Wheeler. 1993. Shoreline Erosion Study. Pleasure Island, Texas: U.S. Army Corps of Engineers.

Massong, T.M., and D.R. Montgomery. 2000. Influence of Sediment Supply, Lithology, and Wood Debris on the Distribution of Bedrock and Alluvial Channels. Geological Society of America Bulletin 112(4): 591-599.

Matishov, G.G. 1992. The reaction of bottom-fish larvae to airgun pulses in the context of the vulnerable Barents Sea ecosystem. Fisheries and Offshore Petroleum Exploitation 2nd International Conference, Bergen, Norway, 6-8 April 1992. Cited in Turnpenny et al. 1994.

Matthews, K.M. 1987. Habitat Utilization by Recreationally-Important Bottomfish in Puget Sound: An Assessment of Current Knowledge and Future Needs No. 264. Washington Department of Fisheries Progress Report.

Matthews, K.R. 1990a. A comparative study of habitat use by young-of-the-year, and adult rockfishes on four habitat types in central Puget Sound. Fishery Bulletin 88:223-239. Cited in NRC 2001.

Matthews, K.R. 1990b. An experimental study of the habitat preferences and movement patterns of copper, quillback, and brown rockfishes (Sebastes spp.). Environmental Biology of Fishes 29:161-178. Cited in NRC 2001.

Maudlin, M., T. Coe, N. Currence and J. Hansen. 2002. South Fork Nooksack River Acme-Saxon Reach Restoration Planning: Analysis of Existing Information and Preliminary Recommendations. Deming, WA: Lummi Natural Resources.

May, C.W. 1998. Assessment of the Cumulative Effects of Urbanization on Small Streams in the Puget Sound Lowland Ecoregion: Implications for Salmonid Resource Management. Seattle, Washington: University of Washington.

May, C.W. 2003. Stream-Riparian Ecosystems in the Puget Sound Lowland Eco-Region: A Review of Best Available Science. Watershed Ecology LLC.

Mayer, P., S. Reynolds, T.J. Canfield, and M.D. McCutchen. 2005. Riparian Buffer Width, Vegetative Cover, and Nitrogen Removal Effectiveness: A Review of Current Science and Regulations. EPA/600/R-05/118. Ada, Oklahoma: U.S. Environmental Protection Agency.

Mayfield, R.B., and J.J. Cech. 2004. Temperature Effects on Green Sturgeon Bioenergetics. Transactions of the American Fisheries Society 133(4): 961-970.

Mazur, M.M., and D.A. Beauchamp. 2003. A Comparison of Visual Prey Detection among Species of Piscivorous Salmonids: Effects of Light and Low Turbidities. Environmental Biology of Fishes 67(4): 397-405.

MBC Applied Environmental Sciences. 1987. Ecology of Important Fisheries Species Offshore California. Minerals Management Service, MMS 86-0093, Pacific Outer Continental Shelf Region. Washington, D.C. 252 pp. Cited in NRC 2001.

McAllister, T.L., M.F. Overton, and E.D. Brill. 1996. Cumulative Impact of Marinas on Estuarine Water Quality. Environmental Management 20(3): 385-396.

McAnally, W.H., J.F. Haydel, and G. Savant. 2004. Port sedimentation solutions for the Tennessee-Tombigbee Waterway in Mississippi. Ports and Waterways Division Mississippi Department of Transportation. http://www.gomdot.com/research/pdf/SS117.pdf, accessed 2006.12.06.

McAnally, W.H., J.F. Haydel, and G. Savant. 2004. Port Sedimentation Solutions for the Tennessee-Tombigbee Waterway in Mississippi. Department of Civil Engineering, James Worth Bhagley College of Engineering, Mississippi State University. 121 p.

Mccain, B.B., D.C. Malins, M.M. Krahn, D.W. Brown, W.D. Gronlund, L.K. Moore, and S.L. Chan. 1990. Uptake of Aromatic and Chlorinated Hydrocarbons by Juvenile Chinook Salmon (Oncorhynchus tshawytscha) in an Urban Estuary. Archives of Environmental Contamination and Toxicology 19(1): 10-16.

McClain, M.E., R.E. Bilby, and F.J. Triska. 1998. Nutrient Cycles and Responses to Disturbance. In River Ecology and Management. Lessons from the Pacific Coastal Ecoregion, edited by R.J. Naiman and B. R.E. New York: Springer-Verlag.

McCool, W.W., and J.D. Parsons. 2004. Sedimentation from Buoyant Fine-Grained Suspensions. Continental Shelf Research 24(10): 1129-1142.

McCormick, S.D., R.A. Cunjak, B. Dempson, M.F. O'Dea, and J.B. Carey. 1999. Temperature-Related Loss of Smolt Characteristics in Atlantic Salmon (Salmo Salar) in the Wild. Canadian Journal of Fisheries and Aquatic Sciences 56(9): 1649-1658.

McCullough, M.C., S. Spalding, and D. Sturdevant. 2001. Summary of Technical Literature Examining the Physiological Effects of Temperature on Salmonids. EPA-910-D-01-005. Washington, DC: U.S. Environmental Protection Agency.

McDonald, J. 1960. The behavior of Pacific salmon fry during their downstream migration to freshwater and saltwater nursery areas. Journal Fishery Research Board of Canada 17: 665-76. Cited in Tabor et al. 1998, and in Nightingale and Simenstad 2001b.

McDonough, K.M., P. Murphy, J. Olsta, Y.W. Zhu, D. Reible, and G.V. Lowry. 2007. Development and Placement of a Sorbent-Amended Thin Layer Sediment Cap in the Anacostia River. Soil & Sediment Contamination 16(3): 313-322.

McDowell, P.F. 2001. Spatial variations in channel morphology at segment and reach scales, Middle Fork John Day River, Northeastern Oregon. Geomorphic Processes and Riverine Habitat Water Science and Applications 4: 159-172. Cited in Brim Box et al. 2004.

McElhany, P., M.H. Ruckelshaus, M.J. Ford, T.C. Wainwright, and E.P. Bjorkstedt. 2000. Viable Salmonid Populations and the Recovery of Evolutionarily Significant Units. U.S. Department of Commerce, National Oceanographic and Atmospheric Administration, National Marine Fisheries Service.

McFarland, W.N., and F.W. Munz. 1975. Part II: The Photic Environment of Clear Tropical Seas During the Day and Part III: The Evolution of Photopic Visual Pigments in Fishes. Vision Resources 15: 1063-1080.

McFarlane, G.A., and R.J. Beamish. 1986. Biology and Fishery of Pacific Hake Merluccius Productus in the Strait of Georgia. International North Pacific Fisheries Commission Bulletin 50: 365-392. Cited in NRC 2001.

McGraw, K.A., and D.A. Armstrong. 1990. Fish Entrainment by Dredges in Grays Harbor, Washington. Effects of Dredging on Anadromous Pacific Coast Fishes, pp. 113-131.

McGurk, M.D. 1986. Natural Mortality of Marine Pelagic Fish Eggs and Larvae: Role of Spatial Patchiness. Marine Ecology Progress Series 34: 227-242.

McHenry, M.L., D.C. Morrill, and E. Currence. 1984. Spawning gravel quality, watershed characteristics and early life history survival of coho salmon and steelhead in five North Olympic Peninsula watersheds. April 1984.

McIntire, C.D. 1973. Periphyton Dynamics in Laboratory Streams: A Simulation Model and Its Implications. Ecological Monographs 43: 399-420.

McIntosh, M.D., M.E. Benbow, and A.J. Burky. 2002. Effects of Stream Diversion on Riffle Macroinvertebrate Communities in a Maui, Hawaii, Stream. River Research and Applications 18(6): 569-581.

McKinnell, S., J.J. Pella, and M.L. Dahlberg. 1997. Populations-specific aggregations of steelhead trout (Oncorhynchus mykiss) in the North Pacific Ocean. Canadian Journal of Fisheries and Aquatic Sciences 54: 2368-2376. Cited in WDNR 2006a.

McLaughlin, R. 2006. Research to Guide Use of Barriers, Traps, and Fishways to Control Sea Lamprey. Prepared for Sea Lamprey Research Program, Great Lakes Fishery Commission by Department of Zoology - University of Guelph.

McLeay, D.J., G.L. Ennis, I.K. Birtwell, and G.F. Hartman. 1984. Effects On Arctic Grayling (Thymallus arcticus) of Prolonged Exposure to Yukon Placer Mining Sediment: A Laboratory Study. Canadian Technical Report of Fisheries and Aquatic Sciences 1241.

McLeay, D.J., I.K. Birtwell, G.F. Hartman, and G.L. Ennis. 1987. Responses of Arctic Grayling (Thymallus Arcticus) to Acute and Prolonged Exposure to Yukon Placer Mining Sediment. Canadian Journal of Fisheries and Aquatic Sciences 44(3): 658-673.

McMahon, T.E., A.V. Zale, F.T. Barrows, J.H. Selong, and R.J. Danehy. 2007. Temperature and Competition between Bull Trout and Brook Trout: A Test of the Elevation Refuge Hypothesis. Transactions of the American Fisheries Society 136: 1313-1326.

McMichael, G., A.L. Fritts, T.N. Pearson. 1999. Lower Yakima River Predatory Fish Monitoring: Progress Report 1988. Oregon Department of Fish and Wildlife Workshop, Portland, Oregon, October 7-28, 1999.

McMichael, G.A., and M.A. Chamness. 2001. Walla Walla River Basin Fish Screen Evaluations, 2001: Burlingame and Little Walla Walla Sites. DOE/BP-00000652-7. Portland, Oregon: Bonneville Power Administration.

McMichael, G.A., J.A. Vucelick, C.S. Abernethy, and D.A. Neitzel. 2004. Comparing Fish Screen Performance to Physical Design Criteria. Fisheries 29(7): 10-16.

McMichael, G.A., L. Fritts, and T. N. Pearsons. 1998. Electrofishing Injury to Stream Salmonids; Injury Assessment at the Sample, Reach, and Stream Scales. North American Journal of Fisheries Management 18:894-904.

McNabb, C.D., C.R. Liston, and S.M. Borthwick. 2003. Passage of Juvenile Chinook Salmon and Other Fish Species through Archimedes Lifts and a Hidrostal Pump at Red Bluff, California. Transactions of the American Fisheries Society 132(2): 326-334.

Mcrae, G., and C.J. Edwards. 1994. Thermal-Characteristics of Wisconsin Headwater Streams Occupied by Beaver - Implications for Brook Trout Habitat. Transactions of the American Fisheries Society 123(4): 641-656.

Meador, J.P., J.E. Stein, W.L. Reichert, and U. Varansi. 1995. Bioaccumulation of Polycyclic Aromatic Hydrocarbons by Marine Organisms. Reviews of Environmental Contamination Toxicology 143: 79-165.

Meadows, G.A., S.D. Mackey, R.R. Goforth, D.M. Mickelson, T.B. Edil, J. Fuller, D.E. Guy, L.A. Meadows, and E. Brown. 2005. Cumulative Habitat Impacts of Nearshore Engineering. Journal of Great Lakes Research 31: 90-112.

Meals, K.O., and L.E. Miranda. 1991. Variability in Abundance of Age-0 Centrarchids among Littoral Habitats of Flood Control Reservoirs in Mississippi. North American Journal of Fisheries Management 11(3): 298-304.

Meehan, W.R. (ed.). 1991. Influences of Forest and Rangeland Management on Salmonid Fishes and their Habitats. Special Publication 19. Bethesda, Maryland: American Fisheries Society.

Meeuwig, M.H., J.M. Bayer, and J.G. Seelye. 2005. Effects of Temperature on Survival and Development of Early Life Stage Pacific and Western Brook Lampreys. Transactions of the American Fisheries Society 134(1): 19-27.

Meier, A.H., and N.D. Horseman. 1977. Stimulation and Depression of Growth, Fat Storage, and Gonad Weight by Daily Stimulus in the Teolost Fish, Tilapia Aurea. Eighth Annual Meeting World Mariculture Society, January 9-13, 1977. pp. 135-146.

Meldgaard, T., E.E. Nielsen, and V. Loeschcke. 2003. Fragmentation by Weirs in a Riverine System: A Study of Genetic Variation in Time and Space among Populations of European Grayling (Thymallus Thymallus) in a Danish River System. Conservation Genetics 4(6): 735-747.

Melo, E., and R.T. Guza. 1991. Wave-Propagation in Jettied Entrance Channels. II: Observations. Journal of Waterway Port Coastal and Ocean Engineering-ASCE 117(5): 493-510.

Menzie, C.A., S.S. Hoeppner, J.J. Cura, J.S. Freshman, and E.N. LaFrey. 2002. Urban and suburban storm water runoff as a source of polycyclic aromatic hydrocarbons (PAHs) to Massachusetts estuarine and coastal environments. Estuaries 25(2): 165-176.

Merz, J.E., and J.D. Setka. 2004. Evaluation of a Spawning Habitat Enhancement Site for Chinook Salmon in a Regulated California River. North American Journal of Fisheries Management 24(2): 397-407.

Merz, J.E., and L.K.O. Chan. 2005. Effects of Gravel Augmentation on Macroinvertebrate Assemblages in a Regulated California River. River Research and Applications 21(1): 61-74.

Merz, J.E., and P.B. Moyle. 2006. Salmon, Wildlife, and Wine: Marine-Derived Nutrients in Human-Dominated Ecosystems of Central California. Ecological Applications 16(3): 999-1009.

Merz, J.E., J.D. Setka, G.B. Pasternack, and J.M. Wheaton. 2004. Predicting Benefits of Spawning-Habitat Rehabilitation to Salmonid (Oncorhynchus Spp.) Fry Production in a Regulated California River. Canadian Journal of Fisheries and Aquatic Sciences 61(8): 1433-1446.

Mesa, M.G. 1994. Effects of Multiple Acute Stressors on the Predator Avoidance Ability and Physiology of Juvenile Chinook Salmon. Transactions of the American Fisheries Society 123(5): 786-793.

Mesa, M.G., and T.M. Olson. 1993. Prolonged Swimming Performance of Northern Squawfish. Transactions of the American Fisheries Society 122(6): 1104-1110.

Mesick, C. 2002. Knight's Ferry Gravel Replenishment Project. Prepared for CALFED Bay Delta Program by Carl Mesick Consultants, El Dorado, California.

Michael, H.A., A.E. Mulligan, and C.F. Harvey. 2005. Seasonal Oscillations in Water Exchange between Aquifers and the Coastal Ocean. Nature 436(7054): 1145-1148.

Michael, J.H. 2003. Nutrients in Salmon Hatchery Wastewater and Its Removal through the Use of a Wetland Constructed to Treat Off-Line Settling Pond Effluent. Aquaculture 226(1-4): 213-225.

Michelsen, T.C., C.D. Boatman, D. Norton, C.C. Ebbesweyer, T. Floyd, and M.C. Francisco. 1999. Resuspension and Transport of Contaminated Sediments Along the Seattle Waterfront. Part 1: Field Investigations and Conceptual Model Report 99-335. Olympia, Washington: Washington Department of Ecology.

Michny, F. and R. Deibel. 1986. Sacramento River Chico Landing to Red Bluff Project 1985 juvenile salmon study. USDI, FWS, Sacramento, CA. Prepared for USACOE, Sacramento District. 13 pp.

Mickett, J.B., M.C. Gregg, and H.E. Seim. 2004. Direct Measurements of Diapycnal Mixing in a Fjord Reach - Puget Sound's Main Basin. Estuarine Coastal and Shelf Science 59(4): 539-558.

Miles J., P. Russell, and D. Huntley. 2001. Field Measurement of Sediment Dynamics in Front of a Seawall. Journal of Coastal Research. 17: 195-206.

Millar, R.G., and M.C. Quick. 1998. Stable Width and Depth of Gravel-Bed Rivers with Cohesive Banks. Journal of Hydraulic Engineering-ASCE 124(10): 1005-1013.

Miller, B.S., C.A. Simenstad, and L.R. Moulton. 1976. Puget Sound Baseline Program: Nearshore Fish Survey, Annual Report July 1974-September 1975. Report No. 76-04. Seattle, Washington: Fisheries Research Institute, University of Washington.

Miller, D. E., P. B. Skidmore, and D. J. White. 2001. Channel design. Washington Department of Fish and Wildlife, Washington Department of Ecology, and Washington Department of Transportation.

Miller, D.E., and P.B. Skidmore. 2003. Establishing a standard of practice for natural channel design using design criteria. Restoration of Puget Sound Rivers, D. R. Montgomery, S. Bolton, D. B. Booth, and L. Wall, eds., University of Washington Press, Seattle, 340–360.

Miller, D.E., P.B. Skidmore, and D.J. White. 2001. Channel Design White Paper. Olympia, Washington: Washington Department of Fish and Wildlife, Washington Department of Ecology, and Washington Department of Transportation.

Miller, D.J. 1972. Changes in creosote content of immersed wood. Forest Products Journal 22(3):25-31. Cited in Cooper 1991.

Miller, D.J. 1977. Loss of creosote from Douglas-fir marine piles. Forest Products Journal 27(11):28-33. Cited in Cooper 1991.

Miller, D.J., and L.E. Benda. 2000. Effects of Punctuated Sediment Supply on Valley-Floor Landforms and Sediment Transport. Geological Society of America Bulletin 112(12): 1814-1824.

Miller, D.R., R.K.L. Emmett, and S.A. Hinton. 1990. A Preliminary Survey of Benthic Invertebrates in the Vicinity of the Coos Bay Oregon, Navigation Channel: Coastal Zone and Estuarine Studies. Prepared for U.S. Army Corps of Engineers by Northwest Fisheries Science Center, National Marine Fisheries Center, Seattle, Washington.

Miller, M.C., I.N. McCave, and P.D. Komar. 1977. Threshold of Sediment Motion under Unidirectional Currents. Sedimentology 24(4): 507-527.

Miller, M.C., R.M. Thom, G.D. Williams, J.A. Southard, S.L. Blanton, and L.K. O'Rourke. 2001. Effects of Shoreline Hardening and Shoreline Protection Features on Fish Utilization and Behavior, Washaway Beach, Washington. PNNL-13635-(2). Richland, Washington: Pacific Northwest National Lab.

Miller, S.W., D. Wooster, and J. Li. 2007. Resistance and Resilience of Macroinvertebrates to Irrigation Water Withdrawals. Freshwater Biology 52: 2494-2510.

Mills, K.E., and M.S. Fonseca. 2003. Mortality and Productivity of Eelgrass Zostera Marina under Conditions of Experimental Burial with Two Sediment Types. Marine Ecology-Progress Series 255: 127-134.

Minakawa, N., and G.F. Kraft. 2005. Homing Behavior of Juvenile Coho Salmon (Oncorhynchus Kisutch) within an Off-Channel Habitat. Ecology of Freshwater Fish 14(2): 197-201.

Minakawa, N., R.I. Gara, and J.M. Honea. 2002. Increased Individual Growth Rate and Community Biomass of Stream Insects Associated with Salmon Carcasses. Journal of the North American Benthological Society 21(4): 651-659.

Misitano, D.A., E. Casillas, and C.R. Haley. 1994. Effects of Contaminated Sediments on Viability, Length, DNA and Protein-Content of Larval Surf Smelt, Hypomesus pretiosus. Marine Environmental Research 37(1): 1-21.

Mitchell, N.L., and G.A. Lamberti. 2005. Responses in Dissolved Nutrients and Epilithon Abundance to Spawning Salmon in Southeast Alaska Streams. Limnology and Oceanography 50(1): 217-227.

Mitsch, W.J., and J.G. Gosselink. 2000. Wetlands. New York: John Wiley.

Mitson, R.B., and H.P. Knudsen. 2003. Causes and effects of underwater noise on fish abundance estimation. Aquatic Living Resources. 16 (3): 255-263. July 2003.

MOEE (Ontario Ministry of the Environment and Energy). 1995. Guidelines for Evaluating Construction Activities Impacting on Water Resources. Guideline B-6. Toronto, Ontario, Canada.

Moerke, A.H., and G.A. Lamberti. 2004. Restoring Stream Ecosystems: Lessons from a Midwestern State. Restoration Ecology 12(3): 327-334.

Mohlenberg, F., and T. Kiorboe. 1981. Growth and Energetics in Spisula subtruncata (Da Costa) and the Effect of Suspended Bottom Material. Ophelia 20(1): 79-90.

Molash, E. 2001. Washington State Department of Transportation. Personal communication. Cited in Bash et al. 2001.

Mongillo, P.E. and M. Hallock. 1998. Washington State Status Report for the Margined Sculpin. Washington Department of Fish and Wildlife. September 1998.

Mongillo, P.E. and M. Hallock. 1999. Washington State Status Report for the Olympic Mudminnow. Olympia, WA: Washington Department of Fish and Wildlife. 36 pp. http://wdfw.wa.gov/wlm/diversty/soc/status/mudmin/omudmin.pdf, accessed 2006.10.04.

Montgomery, D.R. 2000. Coevolution of the Pacific Salmon and Pacific Rim Topography. Geology 28(12): 1107-1110.

Montgomery, D.R. and J.M. Buffington. 1993. Channel classification, prediction of channel response, and assessment of channel condition. Timber, Fish & Wildlife TFW-SH10-93-002. http://www.stage.dnr.wa.gov/forestpractices/adaptivemanagement/cmer/publications/TFW_SH10-93_002.pdf, accessed 2006.10.04.

Montgomery, D.R. and J.M. Buffington. 1998. Channel processes, classification, and response, in River Ecology and Management, edited by R. Naiman and R. Bilby, Springer-Verlag, New York, NY, pp. 13-42.

Montgomery, D.R., and J.R. Buffington. 1997. Channel-Reach Morphology in Mountain Drainage Basins. Geological Society of America Bulletin 109: 596-611.

Montgomery, D.R., B.D. Collins, J.M. Buffington, and T.B. Abbe. 2003. Geomorphic Effects of Wood in Rivers. In The Ecology and Management of Wood in World Rivers, American Fisheries Society Symposium 37, edited by S.V. Gregory, K.L. Boyer and A.M. Gurnell. Bethesda, Maryland: American Fisheries Society. pp. 21-48.

Montgomery, D.R., E.M. Beamer, G.R. Pess, and T.P. Quinn. 1999. Channel Type and Salmonid Spawning Distribution and Abundance. Canadian Journal of Fisheries and Aquatic Science 56: 377-387.

Montgomery, D.R., J.M. Buffington, N.P. Peterson, D. Schuett-Hames, and T.P. Quinn. 1996. Stream-Bed Scour, Egg Burial Depths, and the Influence of Salmonid Spawning on Bed Surface Mobility and Embryo Survival. Canadian Journal of Fisheries and Aquatic Sciences 53: 1061-1070.

Montgomery, D.R., J.M. Buffington, R.D. Smith, K.M. Schmidt, and G. Pess. 1995. Pool Spacing in Forest Channels. Water Resources Research 31(4): 1097-1105.

Montgomery, D.R., S. Bolton, D.B. Booth, and L. Wall. 2003. Restoration of Puget Sound Rivers. Seattle, Washington: Center for Water and Watershed Studies in association with University of Washington Press.

Montgomery, D.R., T.B. Abbe, N.P. Peterson, J.M. Buffington, K. Schmidt, and J.D. Stock. 1996. Distribution of bedrock and alluvial channels in forested mountain drainage basins. Nature 381, 587-589.

Moore, H.L., and H.W. Newman. 1956. Effects of Sound Waves on Young Salmon. Special Science Report-Fisheries 172. U.S. Fish and Wildlife Service, 19p.

Moore, J.W., D.E. Schindler, J.L. Carter, J. Fox, J. Griffiths, and G.W. Holtgrieve. 2007. Biotic Control of Stream Fluxes: Spawning Salmon Drive Nutrient and Matter Export. Ecology 88(5): 1278-1291.

Moore, K.A. 2004. Influence of Seagrasses on Water Quality in Shallow Regions of the Lower Chesapeake Bay. Journal of Coastal Research 20: 162-178.

Moore, M.V., S.J. Kohler, and M.S. Cheers. 2006. Artificial Light at Night in Freshwater Habitats and Its Potential Ecological Effects. In Ecological Consequences of Artificial Night Lighting, edited by C. Rich and T. Longcore. Island Press. pp. 365-384.

Morioka, T., and H. Kuwada. 2002. The Upper Limit of Inhabiting Temperature and the Diet of Juvenile Pacific Cod Gadus Macrocephalus in the Northern Part of Nanao Bay and Its Vicinity, Japan. Nippon Suisan Gakkaishi 68(3): 345-350.

Mork, O. I. and J. Gulbrandsen. 1994. Vertical activity of four salmonid species in response to changes between darkness and two intensities of light. Aquacult. 127: 317-28. Cited in Simenstad et al. 1999, in Nightingale and Simenstad 2001b.

Morley, S.A., P.S. Garcia, T.R. Bennett, and P. Roni. 2005. Juvenile Salmonid (Oncorhynchus spp.) Use of Constructed and Natural Side Channels in Pacific Northwest Rivers. Canadian Journal of Fishery Aquatic Science 62(12): 2811-2821.

Morton, J.W. 1977. Ecological Effects of Dredging and Dredge Spoil Disposal: A Literature Review. Technical Paper 94. U.S. Fish and Wildlife Service, 33 p.

Moschella, P.S., M. Abbiati, P. Aberg, L. Airoldi, J.M. Anderson, F. Bacchiocchi, F. Bulleri, G.E. Dinesen, M. Frost, E. Gacia, L. Granhag, P.R. Jonsson, M.P. Satta, A. Sundelof, R.C. Thompson, and S.J. Hawkins. 2005. Low-Crested Coastal Defense Structures as Artificial Habitats for Marine Life: Using Ecological Criteria in Design. Coastal Engineering 52(10-11): 1053-1071.

Moser, H.G., N.C.H. Lo, and P.E. Smith. 1997. Vertical Distribution of Pacific Hake Eggs in Relation to Stage of Development and Temperature. California Cooperative Oceanic Fisheries Investigations Reports 38: 120-126.

Moser, M.L., A.M. Darazsdi, and J.R. Hall. 2000. Improving Passage Efficiency of Adult American Shad at Low-Elevation Dams with Navigational Locks. North American Journal of Fisheries Management 20(2): 376-385.

Moser, M.L., P.A. Ocker, L.C. Stuehrenberg, and T.C. Bjornn. 2002. Passage Efficiency of Adult Pacific Lampreys at Hydropower Dams on the Lower Columbia River, USA. Transactions of the American Fisheries Society 131(5): 956-965.

Mossop, B., and M.J. Bradford. 2004. Importance of Large Woody Debris for Juvenile Chinook Salmon Habitat in Small Boreal Forest Streams in the Upper Yukon River Basin, Canada. Canadian Journal of Forest Research-Revue Canadienne De Recherche Forestiere 34(9): 1955-1966.

Moulton, L.L. 1977. Ecological analysis of fishes inhabiting the rocky nearshore regions of northern Puget Sound. Ph.D. Dissertation. University of Washington. Cited in NRC 2001.

Moyle, P., and J. Cech. 2004. Fishes: An Introduction to Ichthyology – fifth edition. Upper Saddle River, NJ: Prentice-Hall, Inc. Book.

Moyle, P.B., and D. White. 2002. Effects of Screening Diversions on Fish Populations in the Central Valley: What Do We Know? University of California, Davis. A report for the Science Board, CALFED Ecosystem Restoration Program. January 2002.

Moyle, P.B., and J.A. Israel. 2005. Untested Assumptions: Effectiveness of Screening Diversions for Conservation of Fish Populations. Fisheries 30(5): 20.

Moyle, P.B., and J.J. Cech Jr. 1988. Fishes: An Introduction to Ichthyology. Second Edition. New Jersey: Prentice Hall Publishing.

Moyle, P.G. 1976. Fish Introduction in California: History and Impact on Native Fishes. Biological Conservation 9: 101-118.

Mueller, G., P.C. Marsh, G. Knowles, and T. Wolters. 2000. Distribution, Movements, and Habitat Use of Razorback Sucker (Xyrauchen Texanus) in a Lower Colorado River Reservoir, Arizona-Nevada. Western North American Naturalist 60(2): 180-187.

Mulholland, P.J., E.R. Marzolf, J.R. Webster, D.R. Hart, and S.P. Hendricks. 1997. Evidence That Hyporheic Zones Increase Heterotrophic Metabolism and Phosphorus Uptake in Forest Streams. Limnology and Oceanography 42: 443-451.

Mulholland, P.J., J.D. Newbold, J.W. Elwood, L.A. Ferren, and J.R. Webster. 1985. Phosphorus Spiraling in a Woodland Stream - Seasonal-Variations. Ecology 66(3): 1012-1023.

Mulholland, R. 1984. Habitat Suitability Index Models: Hard Clam. National Coastal Ecosystems Team. Division of Biological Services Research and Development, Fish and Wildlife Service, U.S. Department of the Interior.

Mull, K.E. 2005. Selection of Spawning Sites by Coho Salmon (Oncorhynchus Kisutch) in Freshwater Creek, California. Master's Thesis, Humboldt State University, Humboldt, California, 56 pp.

Muller-Solger, A.B., A.D. Jassby, and D.C. Muller-Navarra. 2002. Nutritional Quality of Food Resources for Zooplankton (Daphnia) in a Tidal Freshwater System (Sacramento-San Joaquin River Delta). Limnology and Oceanography 47(5): 1468-1476.

Mullholland, R. 1984. Habitat suitability index models: Hard clam. FWS/OBS/-82/10.77. US Department of Interior, Fish and Wildlife.

Mulliss, R., D.M. Revitt, and R.B.E. Shutes. 1997. The Impacts of Discharges from Two Combined Sewer Overflows on the Water Quality of an Urban Watercourse. Water Science and Technology 36(8-9): 195-199.

Munoz-Perez, J.J., B.L.D. Roman-Blanco, J.M. Gutierrez-Mas, L. Moreno, and G.J. Cuena. 2001. Cost of Beach Maintenance in the Gulf of Cadiz (SW Spain). Coastal Engineering 42(2): 143-153.

Murakami, K., and K. Takeishi. 1977. Behavior of Heavy Metals and PCBs in Dredging and Treating of Bottom Deposits. In Management of Bottom Sediments Containing Toxic Substances, edited by S.A. Peterson and K.K. Randolph. Washington, DC: Proceedings of the 2nd US/Japan Experts Meeting USEPA-600/3-77-083. pp. 26-42.

Murphy, M. 1998. Primary Productivity. In River Ecology and Management: Lessons from the Pacific Coastal Ecoregion, edited by R.J. Naiman and R.E. Bilby. New York: Springer-Verlag. pp. 144-168.

Murphy, M.L. 1981. Varied Effects of Clearcut Logging on Predators and Their Habitat in Small Stream of the Cascade Mountains, Oregon. Canadian Journal of Fisheries and Aquatic Sciences 38: 137-145.

Murphy, M.L., and W.R. Meehan. 1991. Stream Ecosystems. In Influences of Forest and Rangeland Management on Salmonid Fishes and Their Habitats, edited by W.R. Meehan. Bethesda, Maryland: American Fisheries Society Special Publication 19. pp. 17-46.

Murphy, M.L., C.P. Hawkins, and N.H. Anderson. 1981. Effects of Canopy Modification and Accumulated Sediment on Stream Communities. Transactions of the American Fisheries Society 110(4): 469-478.

Murphy, M.L., J. Heifetz, J.F. Thedinga, S.W. Johnson, and K.V. Koski. 1989. Habitat Utilization by Juvenile Pacific Salmon (Oncorhynchus) in the Glacial Taku River, Southeast Alaska. Canadian Journal of Fisheries and Aquatic Sciences 46(10): 1677-1685.

Murphy, M.L., S.W. Johnson, and D.J. Csepp. 2000. A comparison of fish assemblages in eelgrass and adjacent subtidal habitats near Craig, Alaska. Alaska Fishery Research Bulletin 7:11-21. Available http://www.adfg.state.ak.us/pubs/afrb/vol7/murphyv7.pdf (Accessed 2006.10.26).

Murphy, P., A. Marquette, D. Reible, and G.V. Lowry. 2006. Predicting the Performance of Activated Carbon-, Coke-, and Soil-Amended Thin Layer Sediment Caps. Journal of Environmental Engineering-ASCE 132(7): 787-794.

Mutz, M., and A. Rohde. 2003. Processes of Surface-Subsurface Water Exchange in a Low Energy Sand-Bed Stream. International Review of Hydrobiology 88(3-4): 290-303.

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. Department of Commerce, NOAA-NMFS Technical Memo NMFS-NWFSC-35. Northwest Fisheries Science Center. Seattle, Washington. Available at: http://www.nwfsc.noaa.gov/publications/techmemos/tm35/. Accessed 2006.10.06. Cited in WDNR 2006a.

Myers, M.M., L.L.K. Johnson, and T.K. Collier. 2003. Establishing the Causal Relationship between Polycyclic Aromatic Hydrocarbon (PAH) Exposure and Hepatic Neoplasms and Neplasia-Related Liver Lesions in English Sole (Pleuronectes Vetulus). Human and Ecological Risk Assessment 9: 67-94.

Myers, M.S., L.L. Johnson, T. Hom, T.K. Collier, J.E. Stein, and U. Varanasi. 1998. Toxicopathic hepatic lesions in subadult English sole (Pleuronectes vetuls) from Puget Sound, Washington, USA: Relationships with other biomarkers of contaminant exposure. Marine Environmental Research 45(1): 47-67.

Myers, R.D. 1993. Slope stabilization and erosion control using vegetation: A manual of practice for coastal property owners. Olympia, Washington: Shorelands and Coastal Zone Management program, Washington Department of Ecology.

Myrberg, A.A. 1972. Using Sound to Influence the Behavior of Free-Ranging Marine Animals. Plenum 2: 435-368.

Myrberg, A.A., and R.J. Riggio. 1985. Acoustically Mediated Individual Recognition by a Coral Reef Fish (Pomacentrus Partitus). Animal Behavior 33: 411-416.

Nagasaka, A., Y. Nagasaka, K. Ito, T. Mano, M. Yamanaka, A. Katayama, Y. Sato, A.L. Grankin, A.I. Zdorikov, and G.A. Boronov. 2006. Contributions of Salmon-Derived Nitrogen to Riparian Vegetation in the Northwest Pacific Region. Journal of Forest Research 11(5): 377-382.

Nagel, K.-O. 1987. Untersuchungen an einer Najadenpopulation (Bilvalvia: Unionidae) in einem Baggersee bei Kassel (Nordhessen). Philippia 5:383-395. Cited in Watters et al. 1999.

Naiman, R.J. 1992. Watershed Management: Balancing Sustainability and Environmental Change. New York: Springer-Verlag.

Naiman, R.J. and R.E. Bilby. 1998. River ecology and management in the Pacific coastal ecoregion. Pages 1-10 in R.J. Naiman and R.E. Bilby (Editors). River Ecology and Management: Lessons from the Pacific Coastal Ecoregion. Springer-Verlag, New York.

Naiman, R.J., C.A. Johnston, and J.C. Kelley. 1988. Alteration of North-American Streams by Beaver. Bioscience 38(11): 753-762.

Naiman, R.J., E.V. Balian, K.K. Bartz, R.E. Bilby, and J.J. Latterell. 2002. Dead wood dynamics in stream ecosystems. USDA Forest Service General Technical Report PSW-GTR-181.

Naiman, R.J., G. Pinay, C.A. Johnston, and J. Pastor. 1994. Beaver Influences on the Long-Term Biogeochemical Characteristics of Boreal Forest Drainage Networks. Ecology 75(4): 905-921.

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.

Naiman, R.J., R.E. Bilby, and P.A. Bisson. 2000. Riparian Ecology and Management in the Pacific Coastal Rain Forest. Bioscience 50(11): 996-1011.

Naiman, R.J., R.E. Bilby, D.E. Schindler, and J.M. Helfield. 2002. Pacific Salmon, Nutrients, and the Dynamics of Freshwater and Riparian Ecosystems. Ecosystems 5(4): 399-417.

Naiman, R.J., T.J. Beechie, L.E. Benda, D.R. Berg, P.A. Bisson, L.H. MacDonald, M.D. O'Connor, P.L. Olson, and E.A. Steel. 1992. Fundamental Elements of Ecologically Healthy Watersheds in the Pacific Northwest Coastal Ecoregion. In Watershed Management – Balancing Sustainability and Environmental Change, edited by R.J. Naiman. New York: Springer Verlag.

Nakamoto, R.J., and T.T. Kisanuki. 1995. Age and Growth of Klamath River Green Sturgeon (Acipenser Medirostris). Project #93-FP-13. Arcata, California: U.S. Forest Service.

Nakano, D., and F. Nakamura. 2006. Responses of Macroinvertebrate Communities to River Restoration in a Channelized Segment of the Shibetsu River, Northern Japan. River Research and Applications 22(6): 681-689.

Nakayama, T., M. Watanabe, K. Tanji, and T. Morioka. 2007. Effect of Underground Urban Structures on Eutrophic Coastal Environment. Science of the Total Environment 373(1): 270-288.

Napolitano, M.B. 1998. Persistence of Historical Logging Impacts on Channel Form in Mainstem North Fork Caspar Creek. General Technical Report PSW-GTR-168-Web. Albany, California: United States Department of Agriculture Forest Service - Pacific Southwest Research Station.

National Conservation Training Center. 2004. The Analytical Approach to Consultation. Lacey, Washington: Advanced Interagency Consultation - Regional Training Curriculum.

Naughton, G.P., C.C. Caudill, C.A. Peery, T.S. Clabough, M.A. Jepson, T.C. Bjornn, and L.C. Stuehrenberg. 2007. Experimental Evaluation of Fishway Modifications on the Passage

Behavior of Adult Chinook Salmon and Steelhead at Lower Granite Dam, Snake River, USA. River Research and Applications 23(1): 99-111.

Nebeker, A.V. 1972. Effect of Low Oxygen Concentration on Survival and Emergence of Aquatic Insects. Transactions of the American Fisheries Society 101(4): 675-679.

Nebeker, A.V., S.T. Onjukka, D.G. Stevens, G.A. Chapman, and S.E. Dominguez. 1992. Effects of Low Dissolved-Oxygen on Survival, Growth and Reproduction of Daphnia, Hyalella and Gammarus. Environmental Toxicology and Chemistry 11(3): 373-379.

Neck, R.W. and R.G. Howells. 1994. Status survey of Texas heelsplitter, Potamilus amphichaenus (Frierson, 1898) Unpublished report, Texas Parks and Wildlife Department, Resource Protection Division and Inland Fisheries Division, Austin. Cited in Watters et al. 1999.

Nedeau, E., A.K. Smith, and J. Stone. 2005. Freshwater Mussels of the Pacific Northwest. Vancouver, Washington: U.S. Fish and Wildlife Service.

Nedwell, J., A. Martin, and N. Mansfield. 1993. Underwater tool noise: implications for hearing loss. In Advances in Underwater Technology, Ocean Science and Offshore Engineering, edited by Subtech '93. Dordrecht, the Netherlands: Kluwer Academic Publishers. pp. 267-275.

Nedwell, J., A. Turnpenny, J. Langworthy, and B. Edwards. 2003. Measurements of Underwater Noise During Piling at the Red Funnel Terminal, Southampton, and Observations of Its Effect on Caged Fish. Prepared by Subacoustics LTD, Hampshire, UK.

Nedwell, J., and B. Edwards. 2002. Measurements of Underwater Noise in the Arun River During Piling at County Wharf, Littlehampton. Prepared by Subacoustech, Hants, England.

Neff, J.M. 1985. Polycyclic aromatic hydrocarbons. in: Fundamentals of Aquatic Toxicology. G.M. Rand and S.R. Petrocelli(eds.), Hemisphere Publishing Corporation, New York, pp. 416-454.

Neitzel, D.A. and T.J. Frest. 1990. Survey of Columbia River Basin Streams for Columbia Pebblesnail and Shortface Lanx. Fisheries 15(2):2-3.

Neitzel, D.A. and T.J. Frest. 1989. Survey of Columbia River Basin Streams for Ashy Pebblesnail Fluminicola columbiana and Great Columbia River Limpet Fisherola nuttali. PNL-7103. Richland, Washington: Pacific National Laboratory. Cited in WDNR 2006b.

Neitzel, D.A., and T.J. Frest. 1989. Survey of Columbia River Basin Streams for Giant (sic) Columbia River Spire Snail, Fluminicola columbiana and Great (sic) Columbia River Limpet, Fisherola nuttalli. Richland, Washington: Pacific Northwest Laboratory.

Neitzel, D.A., and T.J. Frest. 1990. Survey of Columbia River basin streams for Columbia pebblesnail and shortface lanx. Fisheries 15(2) 2-3. Cited in WDNR 2006b.

Neitzel, D.A., C.S. Abernethy, and E.W. Lusty. 1990. A Fisheries Evaluation of the Wapato, Sunnyside, and Toppenish Creek Canal Fish Screening Facilities, Spring 1988. DOE/BP/01830-T1, Pacific Northwest Laboratory, Richland, Washington.

Nelson, D.R. 1965. Hearing and Acoustic Orientation in the Lemon Shark Negaprion Brevirostris (Poey), and Other Large Sharks. Bulletin of Southern Californian Academic Sciences 68(3): 131-137.

Nelson, D.R., R.H. Johnson, and L.G. Waldrop. 1969. Responses in Bahamian Sharks and Groupers to Low-Frequency, Pulsed Sounds. Bulletin of Southern Californian Academic Sciences 38: 131-137.

Nelson, D.R., R.H. Johnson, and L.G. Waldrop. 1969. Responses in Bahamian Sharks and Groupers to Low-Frequency, Pulsed Sounds. Bulletin of Southern Californian Academic Sciences 68:131-137.

Nelson, T.A., A.V. Nelson, and M. Tjoelker. 2003. Seasonal and Spatial Patterns of "Green Tides" (Ulvoid Algal Blooms) and Related Water Quality Parameters in the Coastal Waters of Washington State, USA. Botanica Marina 46(3): 263-275.

Nelson, T.A., and A. Lee. 2001. A Manipulative Experiment Demonstrates That Blooms of the Macroalga Ulvaria Obscura Can Reduce Eelgrass Shoot Density. Aquatic Botany 71(2): 149-154.

Nemeth, R. S. 1989. The photobehavioral responses of juvenile chinook and coho salmon to strobe and mercury lights. M.S. Thesis. University of Washington. Cited in Simenstad et al. 1999, and in Nightingale and Simenstad 2001b.

Neraas, L.P., and P. Spruell. 2001. Fragmentation of Riverine Systems: The Genetic Effects of Dams on Bull Trout (Salvelinus confluentus) in the Clark Fork River System. Molecular Ecology 10(5): 1153-64.

Newbold, S.C., and R. Iovanna. 2007. Population level impacts of cooling water withdrawals on harvested fish stocks. Environmental Science and Technology 41 (7): 2108-2114.

Newcomb, T.W., and T.A. Flagg. 1983. Some Effects of Mount St. Helens Volcanic Ash on Juvenile Salmon Smolts. Marine Fisheries Review 45(2): 8-12.

Newcombe, C.P. and J.O.T. Jensen. 1996. Channel suspended sediment and fisheries: A synthesis for quantitative assessment of risk and impact. North American Journal of Fisheries Management 16: 693-727.

Newcombe, C.P., and D.D. MacDonald. 1991. Effects of Suspended Sediments on Aquatic Ecosystems. North American Journal of Fisheries Management 11(1): 72-82.

Newell, R.C., L.J. Seiderer, N.M. Simpson, and J.E. Robinson. 2004. Impacts of Marine Aggregate Dredging on Benthic Macrofauna Off the South Coast of the United Kingdom. Journal of Coastal Research 20(1): 115-125.

Nguyen, R.M., and C.E. Crocker. 2006. The Effects of Substrate Composition on Foraging Behavior and Growth Rate of Larval Green Sturgeon, Acipenser medirostris. Environmental Biology of Fishes 76(2): 129-138.

Nichols, R.A. and S.G. Sprague. 2003. Use of Long-Line Cabled Logs for Stream Bank Rehabilitation. In: Restoration of Puget Sound Rivers, D.R. Montgomery, S. Bolton, D.B. Booth, and L. Wall, eds. University of Washington Press.

Nightingale, B. and C. Simenstad. 2001a. Dredging Activities: Marine Issues. University of Washington. Prepared for the Washington Department of Fish and Wildlife, Washington Department of Ecology, and Washington Department of Transportation.

Nightingale, B. and C. Simenstad. 2001b. Marine Overwater Structures: Marine Issues. University of Washington . Seattle, WA. Prepared for Washington Department of Fish and Wildlife, Washington Department of Ecology, and Washington Department of Transportation.

Nittrouer, C.A. 1978. The Process of Detrital Sediment Accumulation in a Continental Shelf Environment: An Examination of the Washington Shelf. Dissertation Thesis, University of Washington, Seattle, Washington.

Nittrouer, C.A., and R.W. Sternberg. 1975. Fate of a Fine-Grained Dredge Spoils Deposit in a Tidal Channel of Puget-Sound, Washington. Journal of Sedimentary Petrology 45(1): 160-170.

NMFS (NOAA's National Marine Fisheries Service). 1990. West coast of North America coastal and ocean zones strategic assessment: Data atlas. U.S. Dept. Commerce. NOAA. OMA/NOS, Ocean Assessments Division, Strategic Assessment Branch. Invertebrate and Fish Volume. Washington, D.C. Cited in NRC 2001.

NMFS (NOAA's National Marine Fisheries Service). 1996. Making Endangered Species Act determinations of effect for individual or grouped actions at the watershed scale. Environmental and Technical Services Division, Habitat Conservation Branch. Lacey, WA.

NMFS (NOAA's National Marine Fisheries Service). 1996a. Juvenile fish screen criteria. http://swr.nmfs.noaa.gov/hcd/pumpcrit.htm, accessed 2006.11.30.

NMFS (NOAA's National Marine Fisheries Service). 1996b. Making Endangered Species Act determinations of effect for individual or grouped actions at the watershed scale. Environmental and Technical Services Division, Habitat Conservation Branch. Lacey, WA. E.

NMFS (NOAA's National Marine Fisheries Service). 2001a. Biological Opinion: San Francisco-Oakland Bay Bridge East Span Seismic Safety Project. Consultation conducted by National Marine Fisheries Service, Southwest Region, Santa Rosa, CA.

NMFS (NOAA's National Marine Fisheries Service). 2001b. Biological Opinion for the Mill Creek Right Bank Levee Extension Project (NMFS No. WSB-00-177).

NMFS (NOAA's National Marine Fisheries Service). 2003. Biological Opinion and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation for the United States Army Corps of Engineers – Seattle District Larson Bank Protection Project – Puyallup River. Consultation Number (NOAA Fisheries No. WSB-99-122).

NMFS (NOAA's National Marine Fisheries Service). 2003a. Biological Opinion for the Continued Maintenance of Weir Ponds and Proposed Fish Passage Improvement at Monitoring Facilities located on North Fork Caspar Creek and South Fork Caspar Creek, Jackson Demonstration Forest, Mendocino County, California. File No. 151422SWR02SR6251.

NMFS (NOAA's National Marine Fisheries Service). 2003b. Biological Opinion – Benicia-Martinez New Bridge Project 151422SWR02SR6292. NMFS, Southwest Region, Santa Rosa, CA.

NMFS (NOAA's National Marine Fisheries Service). 2004. Endangered Species Act – Section 7 Consultation Biological Opinion & Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation for the Sucker Creek Bank Stabilization Project, Josephine County, Oregon (Corps No. 200300599).

NMFS (NOAA's National Marine Fisheries Service). 2004. Species of Concern and Candidate Species: Pinto Abalone. Office of Protected Covered Species Paper - Invertebrates 5-10 Resources. Available athttp://www.nmfs.noaa.gov/pr/species/concern/profiles/pinto_abalone.pdf (Updated 2005.05.31. Accessed 2006.10.06).

NMFS (NOAA's National Marine Fisheries Service). 2004a. Endangered Species Act - Section 7 Consultation Biological Opinion and Magnuson-Stevens Fisheries Conservation and Management Act Essential Fish Habitat Consultation SR 104 Edmonds Crossing Ferry Terminal Project, Snohomish County. HUC 17110019. NMFS Tracking No. 2003/00756.

NMFS (NOAA's National Marine Fisheries Service). 2004b. Endangered Species Act – Section 7 Consultation Biological Opinion & Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation for the Sucker Creek Bank Stabilization Project, Josephine County, Oregon (Corps No. 200300599).

NMFS (NOAA's National Marine Fisheries Service). 2005. Endangered Species Act Interagency Consultation and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation for the US Highway 12 Naches River Bank Protection and Habitat Enhancement Project, Yakima County, Washington USGS HUC 170300020307 (COE Ref No.: 200401366). NMFS Tracking No: 2004/01714.

NMFS (NOAA's National Marine Fisheries Service). 2005a. Biological and Conference Opinion Pursuant to Section 7 of the Endangered Species Act (ESA) on the Effects of Northwest

Pipeline Corporation (Northwest) Capacity Replacement Project. NMFS Tracking No.: 2005-00271.

NMFS (NOAA's National Marine Fisheries Service). 2005a. Endangered Species Act Section 7 Formal Consultation and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation for the Northwest Pipeline Corporation Capacity Replacement Project Docket Nos. P05-32-000, -001. NMFS Tracking No: 2005-00271.

NMFS (NOAA's National Marine Fisheries Service). 2005b. Biological Opinion - La Conner Wharf and Float Project, La Conner, WA (HUC 171100070202, COE Ref. No. 200401163). NMFS Tracking No. 2004/01826. Seattle, WA.

NMFS (NOAA's National Marine Fisheries Service). 2005b. Biological Opinion - La Conner Wharf and Float Project, La Conner, WA (HUC 171100070202, COE Ref. No. 200401163). NMFS Tracking No. 2004/01826. Seattle, WA.

NMFS (NOAA's National Marine Fisheries Service). 2006. Endangered Species Act-Section 7 Formal Consultation Biological and Conference Opinion and Magnuson-Stevens Fishery Management Conservation and Management Act Essential Fish Habitat Consultation Stream Crossing Structure Replacement and Removal Activities, Snake and Clearwater River Basins, 170601 & 170603, Idaho. NMFS Reference No.: 2005/06396, 2005/07365 and 2005/07366.

NMFS (NOAA's National Marine Fisheries Service). 2006a. Endangered Species Act Section 7 Formal Consultation and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation for the Lafayette Highway Bridge Replacement, Yamhill River (HUC 170900080702), City of Lafayette, Yamhill County, Oregon (Corps No.: 200600248). NMFS Reference No.: 2006/02305.

NMFS (NOAA's National Marine Fisheries Service). 2006b. Endangered Species Act Section 7 Formal Consultation and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation for the Installation of Puget Sound Energy Natural Gas Pipeline from Thorp to Cle Elum, Kittitas County, WA, Upper Middle Yakima River Subbasin, 170300010204 Lanigan Springs, 170300010310 Dry Creek, 170300010309 Robinson Creek (COE No. 200401162). NMFS Reference No.: 2005/02668.

NMFS (NOAA's National Marine Fisheries Service). 2006c. Biological Opinion - Cascade Marina Expansion Project in the Columbia River, Franklin County, WA (Sixth Field Hydrologic Unit Code: Zintel Canyon 170200160603). NMFS Tracking No. 2005/06498. Seattle, WA.

NMFS (NOAA's National Marine Fisheries Service). 2006d. Biological Opinion - Bridge Creek Culvert Removal Project, Bridge Creek, a tributary to the Upper Middle Fork of the John Day River, Sixth field HUC 170702030105, Grant County, OR. ODOT Key No. 12661. NMFS Tracking No. 2005/03011. Seattle, WA.

NMFS (NOAA's National Marine Fisheries Service). 2006e. Endangered Species Act Section7 Formal Consultation and Magnuson-Stevens Fishery Conservation and Management Act

Essential Fish Habitat Consultation for the Tidewater Cove Marina, Columbia River, Sixth Field HUC 170800010901- Salmon Creek, Clark County, Washington. (COE No. 200401353) NMFS Tracking No: 2005/00228.

NMFS (NOAA's National Marine Fisheries Service). 2006f. Biological Opinion - Biological Assessment for the National Marine Fisheries Service Entiat River Bridge-to-Bridge Restoration Project Fifth Field (HUC 1702001001), Chelan County, WA. NMFS Tracking No. 2006/01232. Seattle, WA. E.

NMFS (NOAA's National Marine Fisheries Service). 2006g. Endangered Species Act-Section 7 Formal Consultation Biological and Conference Opinion and Magnuson-Stevens Fishery Management Conservation and Management Act Essential Fish Habitat Consultation Stream Crossing Structure Replacement and Removal Activities, Snake and Clearwater River Basins, 170601 & 170603, Idaho. NMFS Reference No.: 2005/06396, 2005/07365 and 2005/07366. E.

NMFS (NOAA's National Marine Fisheries Service). 2006h. Biological Opinion - Moore Road Bridge Replacement, North Yamhill River (HUC 170900080604), Yamhill County, OR. Corps No.: 200500794. NMFS Tracking No.: 2006/01047. Seattle, WA.

NMFS (NOAA's National Marine Fisheries Service). 2006i. Biological Opinion - Northwest Pipeline Corporation Capacity Replacement Project, Docket Nos. CP05-32-000, -001. NMFS Tracking No. 2006/02900. Seattle, WA. E.

NMFS (NOAA's National Marine Fisheries Service). 2006j. Biological Opinion - Scholls Ferry Road Bridge Replacement, Tualatin River (HUC 170900100501), Washington County, OR. COE No. 200500709. NMFS Tracking No. 2006/00161. Seattle, WA.

NMFS (NOAA's National Marine Fisheries Service). 2006k. Biological Opinion - Slate Creek Bridge Replacement located over the upper Salmon River within the Slate Creek Watershed (HUC 1706020108), Custer County, ID. NMFS Tracking No. 2005/006344. Seattle, WA. E.

NMFS (NOAA's National Marine Fisheries Service). 2006m. Biological Opinion - Sucker Creek Bridge Replacement and Bank Stabilization Project, Sucker Creek, Lower Sucker Creek Sixth field (HUC 171003110304), Josephine County, OR. Corps No. 200300599. NMFS Tracking No. 2005/05756. Seattle, WA. E.

NMFS (NOAA's National Marine Fisheries Service). 2006n. Biological Opinion - City of Sweet Home Water Line, Wiley Creek (HUC 170900060101), Linn County, OR. Corps No. 200500500. NMFS Tracking No. 2005/04541. Seattle, WA E.

NMFS (NOAA's National Marine Fisheries Service). 1996. Addendum Juvenile Fish Screen Criteria for Pump Intakes. May 9, 1996. Available at National Marine Fisheries website: http://swr.nmfs.noaa.gov/hcd/pumpcrit.htm (accessed October 10, 2006).

NMFS (NOAA's National Marine Fisheries Service). 1998. Draft Document - Non-Fishing Threats and Water Quality: A Reference for EFH Consultation. Seattle, Washington: National Marine Fisheries Service.

NMFS (NOAA's National Marine Fisheries Service). 2001. Guidelines for Fish Passage at Stream Crossings. Prepared by Southwest Region of the National Marine Fisheries Service, Hydraulic Engineering Staff. Santa Rosa, California.

NMFS (NOAA's National Marine Fisheries Service). 2004. Draft - Anadromous Salmonid Passage Facility Guidelines and Criteria. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Northwest Region, Portland, Oregon.

NMFS (NOAA's National Marine Fisheries Service). 2004. Endangered Species Act – Section 7 Consultation Biological Opinion & Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation: SR 104 Edmonds Crossing Ferry Terminal Project, Snohomish County Prepared for U.S. Department of Transportation, Federal Highway Administration by NOAA's National Marine Fisheries Service March 25, 2004.

NMFS (NOAA's National Marine Fisheries Service). 2005. Endangered Species Act Interagency Consultation and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation for the US Highway 12 Naches River Bank Protection and Habitat Enhancement Project, Yakima County, Washington. NMFS Tracking No: 2004/01714. Seattle, Washington: National Marine Fisheries Service.

NMFS (NOAA's National Marine Fisheries Service). 2006. Endangered Species Act–Section 7 Formal Consultation Biological and Conference Opinion and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation Stream Crossing Structure Replacement and Removal Activities, Snake and Clearwater River Basins, 170601 & 170603, Idaho. NMFS No. 2005/06396, 2005/07365, and 2005/07366. Seattle, Washington: National Marine Fisheries Service.

NMFS (NOAA's National Marine Fisheries Service). 2007a. Species of Concern and Candidate Species: Pinto Abalone. Office of Protected Covered Species Paper - Invertebrates 5-10 Resources. Seattle, Washington: National Marine Fisheries Service.

NMFS (NOAA's National Marine Fisheries Service). 2007b. Rationale for the Use of 187 dB Sound Exposure Level for Pile Driving Impacts Threshold. Unpublished memorandum. Seattle, Washington: National Oceanic and Atmospheric Administration, National Marine Fisheries Service.

NMFS (NOAA's National Marine Fisheries Service). 2008. Anadromous Salmonid Passage Facility Design. NMFS, Northwest Region, Portland, Oregon.

NMFS and USFWS (NOAA's National Marine Fisheries Service and U.S. Fish and Wildlife Service). 2005. Endangered Species Act – Section 7 Consultation Biological and Conference

Opinion and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation for the Verlot Riverfront Tracts Bank Stabilization Project, Middle South Fork Stillaguamish River, Snohomish County, Washington. NMFS Tracking No.: 2005/00188

NOAA Fisheries. 2003. Non-Fishing Impacts to Essential Fish Habitat and Recommended Conservation Measures. Version 1. National Oceanic and Atmospheric Administration, National Marine Fisheries Service.

NOAA Fisheries. 2006. Endangered Species Act-Section 7 Formal Consultation Biological and Conference Opinion and Magnuson-Stevens Fishery Management Conservation and Management Act Essential Fish Habitat Consultation Stream Crossing Structure Replacement and Removal Activities, Snake and Clearwater River Basins, 170601 & 170603, Idaho. National Oceanic and Atmospheric Administration, National Marine Fisheries Service.

Noggle, C.C. 1978. Behavioral, Physiological and Lethal Effects of Suspended Sediment on Juvenile Salmonids. Masters Thesis, University of Washington, Seattle, Washington.

Nordstrom, K.F. 1992. Estuarine Beaches: An Introduction of the Physical and Human Factors Affecting Use and Management of Beaches in Estuaries, Lagoons, Bays and Fjords. New York: Elsevier Applied Science

Nordstrom, K.F. 2005. Beach Nourishment and Coastal Habitats: Research Needs to Improve Compatibility. Restoration Ecology 13(1): 215-222.

Norman, D.K., J.C. Cederholm, and W.S. Lingley. 1998. Flood Plains, Salmon Habitat, and Sand and Gravel Mining. Washington Geology 26(2/3).

Norris, J.E. 1991. Habitat Associations of Juvenile Rockfishes from Inland Marine Waters of Washington State: An Annotated Bibliography and Review.

Northcote, T.G. 1998. Migratory Behavior of Fish and Its Significance to Movement through Riverine Fish Passage Facilities. Fish Migration and Fish Bypasses. Edited by M. Jungwirth, S. Schmutz and S. Weiss. Fishing News Books.

Northcote, T.G., and P.A. Larkin. 1989. The Fraser River: A Major Salmonine Production System. Canadian Special Publication of Fisheries and Aquatic Sciences 106: 172-204.

Northcote, T.G., N.T. Johnston, and K. Tsumura. 1979. Feeding relationships and food web structure of Lower Fraser River fishes. Westwater Research Centre, Technical Report No.16. University of British Columbia, Vancouver, B.C. 73 p.

Novak, S.J., and C.R. Goodell, 2006. Using HEC-RAS 3.1.3 to Model and Design Tide Gate Systems. Unpublished technical memorandum. Portland, Oregon: National Oceanic and Atmospheric Administration, National Marine Fisheries Service. pp. 11.

Novales-Flamarique, I., and C.W. Hawryshyn. 1996. Retinal Development and Visual Sensitivity of Young Pacific Sockeye Salmon (Oncorhynchus nerka). Journal of Experimental Biology 199: 869-882.

NRC (Natural Resources Consultants, Inc.). 2001. Final species memorandum and habitat assessment in the King County HCP planning area. Volume 2: Marine Fish. Prepared for King County Wastewater Treatment Division.

NRC. 1995. Beach Nourishment and Protection. Washington, DC: Committee for Beach Nourishment and Protection, National Research Council.

NRC. 1996. Upstream: Salmon and Society in the Pacific Northwest. Edited by N.R.C. Committee on Protection and Management of Pacific Northwest Anadromous Salmonids. The National Academies Press.

NRC. 2007. Mitigating Shore Erosion along Sheltered Coasts. National Research Council of the National Academies. Washington, DC: National Academies Press.

NRS Canada. 2004. National Recovery Strategy for the Northern Abalone (Haliotis Kamtschatkana) in Canada.

NSC. 2007. Edmonds Underwater Park and Brackett's Landing Shoreline Sanctuary Conservation Area. Available at: http://www.nwstraits.org/uploads/pdfs/MPAs/Edmonds.pdf (accessed July 9, 2007).

Nunnally, N.R. 1978. Stream Renovation: An Alternative to Channelization. Environmental Management 2: 403-411.

Nybakken, J.W., and M.D. Bertness. 2005. Marine Biology: An Ecological Approach. San Francisco: Pearson Benjamin Cummings.

O'Neill, S.M., J.E. West, and S. Quinnell. 1995. Contaminant Monitoring in Fish: Overview of the Puget Sound Monitoring Program Fish Task. Puget Sound Research '95 Proceedings, Bellevue, Washington, pp. 35-50.

O'Connell, V.M. and D.W. Carlile. 1993. Habitat-specific density of adult yelloweye rockfish Sebastes ruberrimus in the eastern Gulf of Alaska. Fishery Bulletin 91:304-309. Cited in NRC 2001.

O'Connor, J.P., D.J. O'Mahony, J.M. O'Mahony, and T.J. Gienane. 2006. Some Impacts of Low and Medium Head Weirs on Downstream Fish Movement in the Murray-Darling Basin in Southeastern Australia. Ecology of Freshwater Fish 15(4): 419-427.

Oh, Y.I., and E.C. Shin. 2006. Using Submerged Geotextile Tubes in the Protection of the E. Korean Shore. Coastal Engineering 53(11): 879-895.

Olla, B.L., M.W. Davis, and C.B. Schreck. 1995. Stress-Induced Impairment of Predator Evasion and Non-Predator Mortality in Pacific Salmon. Aquaculture Research 26(6): 393-398.

Olson, A.M., E.G. Doyle, and S.D. Visconty. 1996. Light Requirements of Eelgrass: A Literature Survey.

Olson, A.M., S.D. Visconty, and C.M. Sweeney. 1997. Modeling the Shade Cast by Overwater Structures

Olyphant, G.A., and S.W. Bennett. 1994. Contemporary and Historical Rates of Eolian Sand Transport in the Indiana Dunes Area of Southern Lake-Michigan. Journal of Great Lakes Research 20(1): 153-162.

Ona E., O.R. Godo, N.O Handegard, V. Hjellvik, R. Patel, and G. Pedersen. 2007. Silent research vessels are not quiet. Journal of the Acoustical Society of America 121 (4): EL145-EL150. April 2007.

Opperman, J.J., and A.M. Merenlender. 2004. The Effectiveness of Riparian Restoration for Improving Instream Fish Habitat in Four Hardwood-Dominated California Streams. North American Journal of Fisheries Management 24(3): 822-834.

Oren, U., and Y. Benayahu. 1998. Didemnid Ascidians: Rapid Colonizers of Artificial Reefs in Eilat (Red Sea). Bulletin of Marine Science 63(1): 199-206.

Orr, C.H., K.L. Rogers, and E.H. Stanley. 2006. Channel Morphology and P Uptake Following Removal of a Small Dam. Journal of the North American Benthological Society 25(3): 556-568.

Orth, R. J. and K.A. Moore. 1983. Chesapeake Bay: An unprecedented decline in submerged aquatic vegetation. Science 22: 51-52. Cited in Nightingale and Simenstad 2001b.

Orth, R.J. 1975. Destruction of Eelgrass, Zostera Marina, by the Cownose Ray, Rhinoptera Bonasus, in the Chesapeake Bay. Chesapeake Science 16: 205-208.

Orth, R.J.J., K.I. Heck, and J.V. Montrans. 1984. Faunal Communities in Seagrass Beds: A Review of Influence of Plant Structure and Prey Characteristics on Predator-Prey Relations. Estuaries 7: 339-350.

Osborne, L.L. and K.A. Kovacic. 1993. Riparian vegetated buffer strips in water-quality restoration and stream management. Freshwater Biology 29:243-258.

Oullet, P., and J.J. Dodson. 1985. Tidal Exchanges of Anadromous Rainbow Smelt (Osmerus Mordax) Larvae between a Shallow Spawning Tributary and the St. Lawrence Estuary. Canadian Journal of Fisheries and Aquatic Sciences 42: 1352-1358.

Pacific Biodiversity Institute. 2006. Database search for "Anodonta californiensis" (California floater).

http://www.pacificbio.org/ESIN/OtherInvertebrates/CaliforniaFloater/CaliforniaFloater_pg.html, accessed 2006.12.19.

Pacific Biodiversity Institute. 2006. Endangered Species Information Network for Washington, Oregon, and Idaho. February 2006. http://www.pacificbio.org/ESIN/ESIN.html

Pacific Biodiversity Institute. 2007. Homepage. Available at: http://www.pacificbio.org/(accessed July 2007).

Padma, T.V., R.C. Hale, M.H. Roberts, and R.N. Lipsius. 1999. Toxicity of creosote water soluble fractions generated from contaminated sediments to the bay mysid. Ecotoxicology and Environmental Safety 42:171-176.

Palermo, M., S. Maynord, J. Miller, and D. Reible. 1998. Guidance for In Situ Subaqueous Capping of Contaminated Sediments. EPA 905-B96-004. Chicago, Illinois: U.S. Army Corps of Engineers, Great Lakes National Program Office.

Palmer, M.A., E.S. Bernhardt, J.D. Allan, P.S. Lake, G. Alexander, S. Brooks, J. Carr, S. Clayton, C.N. Dahm, J.F. Shah, D.L. Galat, S.G. Loss, P. Goodwin, D.D. Hart, B. Hassett, R. Jenkinson, G.M. Kondolf, R. Lave, J.L. Meyer, T.K. O'Donnell, L. Pagano, and E. Sudduth. 2005. Standards for Ecologically Successful River Restoration. Journal of Applied Ecology 42: 208-217.

Palmer, R.W., and J.H. Okeeffe. 1990. Downstream Effects of Impoundments on the Water Chemistry of the Buffalo River (Eastern Cape), South-Africa. Hydrobiologia 202(1-2): 71-83.

Paola, C., E. Foufoula-Georgiou, W.E. Dietrich, M. Hondzo, D. Mohrig, G. Parker, M.E. Power, I. Rodriguez-Iturbe, V. Voller, and P. Wilcock. 2006. Toward a Unified Science of the Earth's Surface: Opportunities for Synthesis among Hydrology, Geomorphology, Geochemistry, and Ecology. Water Resources Research 42(3).

Papanicolaou, A. and A. Maxwell. 2000. Equilibrium geomorphologic conditions for high gradient bed streams. Prepared for Research Office, Washington State Department of Transportation.

Paragamian, V.L., G. Kruse, and V. Wakkinen. 2001. Spawning Habitat of Kootenai River White Sturgeon, Post-Libby Dam. North American Journal of Fisheries Management 21(1): 22-33.

Parametrix and Battelle Marine Sciences Laboratory. 1996. Anacortes Ferry Terminal eelgrass, macroalgae, and macrofauna habitat survey report., Report for Sverdrup Civil, Inc. and WSDOT. Cited in Nightingale and Simenstad 2001b.

Parametrix and Battelle. 1996. Anacortes Ferry Terminal eelgrass, macroalgae, and macrofauna habitat survey report. Report for Sverdrup Civil, Inc. and WSDOT. In Nightingale and Simenstad 2001b.

Parametrix, Inc. 1985. Sand/gravel/riprap colonization study. Report to Port of Seattle.

Parametrix. 1996. Anacortes Ferry Terminal eelgrass, macroalgae, and macrofauna habitat survey report. Prepared for Sverdrup Civil, Inc. and the Washington State Department of Transportation by Parametrix and Battelle, Seattle, Washington.

Parkhill, K.L., and J.S. Gulliver. 2002. Effect of Inorganic Sediment on Whole-Stream Productivity. Hydrobiologia 472(1-3): 5-17.

Parkyn, S.M., J.M. Quinn, T.J. Cox, and N. Broekhuizen. 2005. Pathways of N and C Uptake and Transfer in Stream Food Webs: An Isotope Enrichment Experiment. Journal of the North American Benthological Society 24(4): 955-975.

Parsley, M.J., L.G. Beckman and G.T. McCabe. 1993. Spawning and rearing habitat use by white sturgeons in the Columbia River downstream from McNary Dam. Transactions of the American Fisheries Society 122: 217-227.

Pasternack, G.B., C.L. Wang, and J.E. Merz. 2004. Application of a 2D Hydrodynamic Model to Design of Reach-Scale Spawning Gravel Replenishment on the Mokelumne River, California. River Research and Applications 20(2): 205-225.

Patrick, P.H., and R.S. McKinley. 1987. Field Evaluation of a Hidrostal Pump for Live Transfer of American Eels at a Hydroelectric Facility. North American Journal of Fisheries Management 7(2): 303-305.

Patten, B.G. 1971. Increased predation by the torrent sculpin, Cottus rhotheus, on coho salmon fry, Oncorhynchus kisutch, during moonlight nights. Journal of the Fisheries Research Board of Canada 28(9):1352–1354. Cited in Tabor et al. 1998.

Paul, A.J., and J.M. Paul. 1998. Respiration Rate and Thermal Tolerances of Pinto Abalone Haliotis Kamtschatkana. Journal of Shellfish Research 17(3): 743-745.

Pauley, G.B., DA Armstrong, R. Van Citter, and G.L. Thomas. 1989. Species profiles: life histories and environmental requirements of coastal fishes and invertebrates (Pacific Southwest)—Dungeness crab. U.S. Fish Wildl. Serv. Biol. Rep. 82(11.121). U.S. Army Corps of Engineers, TR EL-82-4. 20 PP. Available at: http://www.nwrc.usgs.gov/wdb/pub/0172.pdf (Accessed 2006.10.02).

Pauley, G.B., G.L. Thomas, D.A. Marino, and D.C. Weigand. 1989. Evaluation of the Effects of Gravel Bar Scalping on Juvenile Salmonids in the Puyallup River Drainage: University of Washington Cooperative Fishery Research Unit Report. Seattle, Washington: University of Washington.

Pauley, G.B., K.L. Oshima, and G.L. Thomas. 1988. Species Profiles: Life Histories and Environmental Requirements of Coastal Fishes and Invertebrates (Pacific Northwest)-- Sea-run

Cutthroat trout. U.S. Fish and Wildlife Service Biological Report 82(11.86). Cited in WDNR 2006a.

Peake, S. 1999. Substrate Preferences of Juvenile Hatchery-Reared Lake Sturgeon, Acipenser Fulvescens. Environmental Biology of Fishes 56(4): 367-374.

Peake, S. 2004. Effect of Approach Velocity on Impingement of Juvenile Northern Pike at Water Intake Screens. North American Journal of Fisheries Management 24(2): 390-396.

Pearlstine, L.G., W.M. Kitchens, P.J. Latham, and R.D. Bartleson. 1993. Tide Gate Influences on a Tidal Marsh. Water Resources Bulletin 29(6): 1009-1019.

Pearson, W.H. 2005. Protocols for Evaluation of Upstream Passage of Juvenile Salmonids in an Experimental Culvert Test Bed. Prepared for Washington State Department of Transportation, Pacific Northwest Division and Planning and Capital Program by Battelle Memorial, Institute. Report No. PNWD-3525, Richland, Washington.

Pearson, W.H., J. Southard, C.L. May, J.R. Skalski, R.L. Townsend, A.R. Horner-Devine, D.R. Thurman, R.H. Hotchkiss, R.R. Morrison, M.C. Richmond, and D. Deng. 2006. Research on the Upstream Passage of Juvenile Salmon through Culverts: Retrofit Baffles. Prepared for Washington State Department of Transportation, by Battelle Memorial Institute - Pacific Northwest Division, Report No. PNWD-3672, Richland, Washington.

Pearson, W.H., J.R. Skalski, and C.I. Malme. 1992. Effects of sounds from a geophysical survey device on behavior of captive rockfish (Sebastes spp.). Canadian Journal of Fisheries and Aquatic Sciences 49:1343-1356.

Pearson, W.H., R.P. Mueller, S.L. Sargeant, and C.W. May. 2005. Evaluation of Juvenile Salmon Leaping Ability and Behavior at an Experimental Culvert Test Bed. Prepared for Washington State Department of Transportation by Battelle Pacific Northwest Division, Olympia, Washington.

Peddicord, R.K. 1980. Direct effects of suspended sediments on aquatic organisms. In: Contaminants and Sediments, Vol. 1 (R.A. Baker, ed.). Ann Arbor Science, Ann Arbor, MI.

Pedersen, T.C.M., A. Baattrup-Pedersen, and T.V. Madsen. 2006. Effects of Stream Restoration and Management on Plant Communities in Lowland Streams. Freshwater Biology 51(1): 161-179.

Peijnenburg, W., A. de Groot, T. Jager, and L. Posthuma. 2005. Short-Term Ecological Risks of Depositing Contaminated Sediment on Arable Soil. Ecotoxicology and Environmental Safety 60(1): 1-14.

Penczak, T., G. Zieba, H. Koszalinski, and A. Kruk. 2003. The Importance of Oxbow Lakes for Fish Recruitment in a River System. Archiv Fur Hydrobiologie 158(2): 267-281.

Penland, S., P.F. Connor, A. Beall, S. Fearnley, and S.J. Williams. 2005. Changes in Louisiana's Shoreline: 1855-2002. Journal of Coastal Research: 7-39.

Pentec Environmental Inc. 1991. Port of Everett, Dredging Monitoring Surveys, 1990. Prepared for Port of Everett, Edmonds, Washington.

Pentec Environmental Inc. 1997. Movement of Juvenile Salmon through Industrialized Areas of Everett Harbor. Prepared for Port of Everett, Edmonds, Washington. Cited in Nightingale and Simenstad 2001b.

Penttila, D. 1978. Studies of the Surf Smelt (Hypomesus Pretiosus) in Puget Sound. Technical Report 42. Olympia, Washington: Washington Department of Fisheries.

Penttila, D. 1995. Investigations of the Spawning Habitat of the Pacific Sand Lance (Ammodytes Hexapterus) in Puget Sound. Proceedings of Puget Sound Research 1995, Seattle, Washington, pp. 855-859.

Penttila, D. 1995. Known spawning beaches of the surf smelt, Hypomesus, and the sand lance, Ammodytes, in southern Puget Sound, WA (Pierce, Thurston, and Mason Counties), as of March, 1995. April 1995 with charts updated and revised February 1999.

Penttila, D. 2000a. Forage fishes of the Puget Sound region. NWSC/PSAMP Data Conference, LaConner, WA. Washington Department of Fish and Wildlife. http://www.wa.gov/wdfw/fish/forage/forage.htm. (Accessed 2006.10.06). Cited in Nightingale and Simenstad 2001b.

Penttila, D. 2000b. Impacts of Overhanging Shading Vegetation on Egg Survival for Summer-Spawning Surf Smelt on Upper Intertidal Beaches in Northern Puget Sound, Washington. Draft. Washington Department of Fish and Wildlife, Marine Resources Division.

Penttila, D. 2001. Effects of Overhanging Shading Vegetation on Egg Survival for Summer-Spawning Surf Smelt on Upper Intertidal Beaches in Northern Puget Sound, Washington. Olympia, Washington: Washington Department of Fish and Wildlife, Marine Resources Division.

Penttila, D. 2007. Washington Department of Fish and Wildlife, Seattle, Washington. Personal communication with José Carrasquero of Herrera Environmental Consultants, Inc. Seattle, Washington, regarding Use of Nourished Beaches by Forage Fishes.

Penttila, D. and D. Doty 1990. Progress Report. Results of 1989 Eelgrass Shading Studies in Puget Sound. Washington Department of Fisheries, Marine Fish Habitat Investigations Division. Summary available at: http://depts.washington.edu/newwsdot/pentdot.html (Accessed 2006.09.29).

Penttila, D., and M. Aquero. 1978. Fish Usage of Birch Bay Village Marina, Whatcom County Washington in 1976. Washington Department of Fisheries Progress Report.

Perez-Ruzafa, A., J.A. Grarcia-Charton, E. Barcala, and C. Marcos. 2006. Changes in benthic fish assemblages as a consequence of coastal works in a coastal lagoon: The Mar Menor (Spain, Western Mediterranean). Marine Pollution Bulletin 53(1-4): 107-120.

Perillo, G.M.E., D.E. Perez, M.C. Piccolo, E.D. Palma, and D.G. Cuadrado. 2005. Geomorphologic and Physical Characteristics of a Human Impacted Estuary: Quequen Grande River Estuary, Argentina. Estuarine Coastal and Shelf Science 62(1-2): 301-312.

Persaud, D., R. Jaagumagi, and A. Hayton. 1991. The Provincial Sediment Quality Guidelines (Draft). Water Resources Branch, Ontario Ministry of the Environment, Toronto, Canada. May. Cited in Stratus 2005b.

Peters, R.J., B.R. Missildine, and D.L. Low. 1998. Seasonal Fish Densities near River Banks Stabilized with Various Stabilization Methods; First Year Report of the Flood Technical Assistance Project. Lacey, Washington: U.S. Fish and Wildlife Service, North Pacific Coast Ecoregion.

Petersen, W., E. Willer, and C. Willamowski. 1997. Remobilization of Trace Elements from Polluted Anoxic Sediments after Resuspension in Toxic Water. Water Air and Soil Pollution 99(1-4): 515-522.

Peterson, C.H., D.H.M. Hickerson, and G.G. Johnson. 2000. Short-Term Consequences of Nourishment and Bulldozing on the Dominant Large Invertebrates of a Sandy Beach. Journal of Coastal Research 16(2): 368-378.

Peterson, C.H., M.J. Bishop, G.A. Johnson, L.M. D'Anna, and L.M. Manning. 2006. Exploiting Beach Filling as an Unaffordable Experiment: Benthic Intertidal Impacts Propagating Upwards to Shorebirds. Journal of Experimental Marine Biology and Ecology 338(2): 205-221.

Peterson, H.W.U., and L. Amiotte. 2006. Decline of Skokomish Nation Spot Shrimp Catch in Low Dissolved Oxygen Waters of the Hood Canal, Puget Sound, State of Washington. Ethnicity & Disease 16(4): 17-17.

Peterson, J.T., N.P. Banish, and R.F. Thurow. 2005. Are Block Nets Necessary? Movement of Stream-Dwelling Salmonids in Response to Three Common Survey Methods. North American Journal of Fish Management 25: 732-743.

Peterson, J.T., R.F. Thurow, and J.W. Guzevich. 2004. An Evaluation of Multipass Electrofishing for Estimating the Abundance of Stream-Dwelling Salmonids. Transactions of the American Fisheries Society 133(2): 462-475.

Petr, T. 2000. Interactions Between Fish and Aquatic Macrophytes in Inland Waters. A review. FAO Fisheries Technical Paper. No. 396. Rome, FAO. 2000. 185p. Available at: http://www.fao.org/docrep/006/X7580E/X7580E00.htm#TOC (Accessed 2006.10.03).

Peven, C.M. 1987. Downstream Migration Timing of Two Stocks of Sockeye Salmon on the Mid-Columbia River. Northwest Science 61(3): 186-190.

Pflug, D.E. and G.P. Pauley. 1984. Biology of smallmouth bass (Micropterus dolomieui) in Lake Sammamish, Washington. Northwest Science 58(2): 118–130.

Pflug, David E. and Gilbert P. Pauley. 1984. Biology of smallmouth bass (Micropterus dolomieui) in Lake Sammamish, Washington. Northwest Science 58(2):118–130. Cited in Carrasquero 2001.

Phillips, R.C. 1984. Ecology of Eelgrass Meadows in the Pacific Northwest: A Community Profile. Seattle Pacific University, Seattle, WA. Prepared for: U.S. Fish and Wildlife Service. NTIS Publication Number PB86-110376. FWS Publication Number FWS/OBS-84/24.

Phillips, R.W., R.L. Lantz, E.W. Claire, and J.R. Moring. 1975. Some effects of gravel mixtures on emergence of coho salmon and steelhead trout fry. Transactions of the American Fisheries Society 3:461-466.

Pickerell, C.H., S. Schott, and S. Wyllie-Echeverria. 2005. Buoy-Deployed Seeding: Demonstration of a New Eelgrass (Zostera Marina L.) Planting Method. Ecological Engineering 25(2): 127-136.

Pickering, H., and D. Whitmarsh. 1997. Artificial Reefs and Fisheries Exploitation: A Review of the `Attraction Versus Production' Debate, the Influence of Design and Its Significance for Policy. Fisheries Research 31(1-2): 39-59.

Pickett, P.J. 1997. Pollutant Loading Capacity for the Black River, Chehalis River System, Washington. Journal of the American Water Resources Association 33(2): 465-480.

Pihl, L., S. Baden, N. Kautsky, P. Ronnback, T. Soderqvist, M. Troell, and H. Wennhage. 2006. Shift in Fish Assemblage Structure Due to Loss of Seagrass Zostera Marina Habitats in Sweden. Estuarine Coastal and Shelf Science 67(1-2): 123-132.

Pillard, D.A. 1996. Assessment of Benthic Macroinvertebrate and Fish Communities in a Stream Receiving Storm Water Runoff from a Large Airport. Journal of Freshwater Ecology 11(1): 51-59.

Pitt, R., R. Field, M. Lalor, and M. Brown. 1995. Urban Stormwater Toxic Pollutants: Assessment, Sources, and Treatability. Water Environment Research 67: 260-275.

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(4): 405–420. Cited in Carrasquero 2001.

Poff, N.L., J.D. Allan, M.B. Bain, J.R. Karr, K.L. Prestegaard, B.D. Richter, R.E. Sparks, and J.L. Stromberg. 1997. The Natural Flow Regime. Bioscience 47(11): 769.

Pollen, N. 2007. Temporal and Spatial Variability in Root Reinforcement of Streambanks: Accounting for Soil Shear Strength and Moisture. Catena 69(3): 197-205.

Pollock, M., M. Heim, and D. Werner. 2003. Hydrologic and Geomorphic Effects of Beaver Dams and their Influence on Fishes. American Fisheries Society Symposium 37: 213-233.

Pollock, M.M., G.R. Pess, and T.J. Beechie. 2004. The Importance of Beaver Ponds to Coho Salmon Production in the Stillaguamish River Basin, Washington, USA. North American Journal of Fisheries Management 24(3): 749-760.

Pondella, D.J., and J.S. Stephens. 1994. Factors Affecting the Abundance of Juvenile Fish Species on a Temperate Artificial Reef. Bulletin of Marine Science 55(2-3): 1216-1223.

Pondella, D.J., J.S. Stephens, and M.T. Craig. 2002. Fish production of a temperate artificial reef based on the density of embiotocids (Teleostei : Perciformes). ICES Journal of Marine Science 59: S88-S93.

Ponti, M., M. Abbiati, and V.U. Ceccherelli. 2002. Drilling Platforms as Artificial Reefs: Distribution of Macrobenthic Assemblages of The "Paguro" Wreck (Northern Adriatic Sea). ICES Journal of Marine Science 59: S316-S323.

Poole, G., J. Dunham, M. Hicks, D. Keenan, J. Lockwood, E. Materna, D. McCullough, C. Mebane, J. Risley, S. Sauter, S. Spaulding, and D. Sturdevant. 2001. Technical Synthesis Scientific Issues Relating to Temperature Criteria for Salmon, Trout, and Char Native to the Pacific. EPA 910-R-01-007. Environmental Protection Agency, Region 10.

Poole, G.C., and C.H. Berman. 2001a. An Ecological Perspective on in-Stream Temperature: Natural Heat Dynamics and Mechanisms of Human-Caused Thermal Degradation. Environmental Management 27(6): 787-802.

Poole, G.C., and C.H. Berman. 2001b. Pathways of Human Influence on Water Temperature Dynamics in Stream Channels. Environmental Management 27: 787-802.

Poole, G.C., J. Dunham, and M. Hicks plus nine authors. 2001. Scientific Issues Relating to Temperature Criteria for Salmon, Trout, and Char Native to the Pacific Northwest. A summary report submitted to the Policy Workgroup of the EPA Region 10 Water Temperature Criteria Guidance Project. EPA 910-R-01-007. August 2001.

Popper, A.N. 2005. A review of hearing by sturgeon and lamprey. Environmental BioAcoustics, LLC. Rockville, Maryland. Submitted to the U.S. Army Corps of Engineers, Portland District.

Popper, A.N. and T.J. Carlson. 1998. Application of sound and other stimuli to control fish behavior. Transactions of the American Fisheries Society 127(5): 673–707.

Popper, A.N., and N.L. Clarke. 1976. The Auditory System of the Goldfish (Carassius Auratus): Effects of Intense Acoustic Stimulation. Comparative Biochemistry and Physiology 53: 11-18.

Popper, A.N., and R.R. Fay. 1973. Sound Detection and Processing by Teleost Fishes - Critical Review. Journal of the Acoustical Society of America 53(6): 1515-1529.

Popper, A.N., and R.R. Fay. 1993. Sound Detection and Processing by Fish - Critical-Review and Major Research Questions. Brain Behavior and Evolution 41(1): 14-38.

Popper, A.N., and T.J. Carlson. 1998. Application of Sound and Other Stimuli to Control Fish Behavior. Transactions of the American Fisheries Society 127(5): 673-707.

Popper, A.N., M.E. Smith, P.A. Cott, B.W. Hanna, A.O. MacGillivray, M.E. Austin, and D.A. Mann. 2005. Effects of Exposure to Seismic Airgun Use on Hearing of Three Fish Species. Journal of the Acoustical Society of America 117(6): 3958-3971.

Popper, A.N., T.J. Carlson, A.D. Hawkins, B.L. Southall, and R.L. Gentry. 2006. Interim criteria for injury of fish exposed to pile driving operations: a white paper.

Popper, Arthur N. and Thomas J. Carlson. 1998. Application of sound and other stimuli to control fish behavior. Transactions of the American Fisheries Society 127(5):673–707.

Portnoy, J.W. 1991. Summer Oxygen Depletion in a Diked New-England Estuary. Estuaries 14(2): 122-129.

Poston, T. 2001. Treated Wood Issues Associated with Overwater Structures in Marine and Freshwater Environments White Paper. Olympia, Washington: Washington Department of Fish and Wildlife, Washington Department of Ecology, and Washington Department of Transportation.

Poston, T.M., K.M. Krupka, and M.C. Richmond. 1996. Estimation of Treated Piling Emplacement and Piling Leachate Concentrations in the Columbia River. Richland, Washington: Pacific Northwest National Laboratory.

Power, M.E., W.E. Dietrich, and J.C. Finlay. 1996. Dams and Downstream Aquatic Biodiversity: Potential Food Web Consequences of Hydrologic and Geomorphic Change. Environmental Management 20(6): 887-895.

Powers, P.D., and C.S. Saunders. 2002. Fish-Passage Design Flows for Ungauged Catchments in Washington. Washington Department of Fish and Wildlife - Lands and Restoration Services Program.

Powers, P.D., and K. Bates. 1997. Culvert Hydraulics Related to Upstream Juvenile Salmon Passage. Washington Department of Fish and Wildlife, Land and Restoration Services Program. Environmental Engineering Services.

Pratt, T.C., and K.E. Smokorowski. 2003. Fish habitat management implications of the summer habitat use by littoral fishes in a north temperate, mesotrophic lake. Canadian Journal of Fisheries and Aquatic Sciences 60(3): 286-300.

Prepared for Dr. Michael Ritter USDA Forest Service, Forest Products Laboratory, One Gifford Pinchot Drive, Madison, WI 53705-2398. Prepared by:, Dr. Kenneth M. Brooks, Aquatic Environmental Sciences, 644 Old Eaglemount Road, Port Townsend, WA 98368

Pretty, J.L., S.S.C. Harrison, D.J. Shepherd, C. Smith, A.G. Hildrew, and R.D. Hey. 2003. River Rehabilitation and Fish Populations: Assessing the Benefit of Instream Structures. Journal of Applied Ecology 40(2): 251-265.

Prince, E.D., and O.E. Maughan. 1978. Freshwater Artificial Reefs - Biology and Economics. Fisheries 3(1): 5-9.

Prinslow, T.E., E.O. Salo, and B.P. Snyder. 1979. Studies of behavioral effects of a lighted and an unlighted wharf on outmigrating salmonids-March-April 1978. Final Report. Fisheries Research Institute, University of Washington, Seattle WA. Cited in Nightingale and Simenstad 2001b.

Protasov, V.R. 1970. Chapter 1: Distribution of Light in Water. In Vision and Nearshore Orientation of Fish. Academy of Sciences of the USSR, edited by V.R. Protasov. Jerusalem: Israel Program for Scientific Translations. pp. 175.

PSAT (Puget Sound Action Team). 2007. State of the Sound 2007. Publication No. PSAT 07-01. Seattle, Washington: Puget Sound Action Team.

PSAT (Puget Sound Water Quality Action Team). 2001. Eelgrass (Zostera marina). Available at http://www.psat.wa.gov/Publications/Fact_sheets/eelgrass.pdf (Accessed 2006.10.26).

PSNERP (Puget Sound Nearshore Project). 2003. Guidance for protection and restoration of nearshore ecosystems of Puget Sound. Available at http://www.cev.washington.edu/lc/PSNERP/guidance.pdf (Accessed 2006.10.26).

Puckett, K.J., and J.J. Anderson. 1987. Behavioral Responses of Juvenile Salmonids to Strobe and Mercury Lights. Seattle, Washington: Fisheries Research Institute, University of Washington.

Puckett, K.J., and J.J. Anderson. 1988. Behavioral responses of juvenile salmonids to strobe and mercury lights. Final report to Stone and Webster Engineering Corporation. Fisheries Research Institute, University of Washington, Seattle, Washington. Cited in Simenstad et al. 1999.

Puget Sound Steelhead Biological Review Team. 2005. Status Review Update for Puget Sound Steelhead. National Marine Fisheries Service Northwest Fisheries Science Center. July 26, 2005.

Pusch, M., D. Fiebig, I. Brettar, H. Eisenmann, B.K. Ellis, L.A. Kaplan, M.A. Lock, M.W. Naegeli, and W. Traunspurger. 1998. The Role of Micro-Organisms in the Ecological Connectivity of Running Waters. Freshwater Biology 40(3): 453-495.

Qian, P.Y., J.W. Qiu, R. Kennish, and C.A. Reid. 2003. Recolonization of Benthic Infauna Subsequent to Capping of Contaminated Dredged Material in East Sha Chau, Hong Kong. Estuarine Coastal and Shelf Science 56(3-4): 819-831.

Qiao, F.L., J. Ma, C.S. Xia, Y.Z. Yang, and Y.L. Yuan. 2006. Influences of the Surface Wave-Induced Mixing and Tidal Mixing on the Vertical Temperature Structure of the Yellow and East China Seas in Summer. Progress in Natural Science 16(7): 739-746.

Quinn, T.P. 2005. The Behavior and Ecology of Pacific Salmon and Trout. Seattle, Washington: University of Washington Press.

Quinn, T.P., and N.P. Peterson. 1994. The Effect of Forest Practices on Fish Populations. Olympia, Washington: Washington Department of Natural Resources, Timber-Fish-Wildlife Program.

Quinones, R.M., and T.J. Mulligan. 2005. Habitat Use by Juvenile Salmonids in the Smith River Estuary, California. Transactions of the American Fisheries Society 134(5): 1147-1158.

Quintella, B.R., N.O. Andrade, A. Koed, and P.R. Almeida. 2004. Behavioral Patterns of Sea Lampreys' Spawning Migration through Difficult Passage Areas, Studied by Electromyogram Telemetry. Journal of Fish Biology 65(4): 961-972.

Quirollo, L.F. 1992. Pacific hake. Pages 109-112 in: W.S. Leet, C.M. Dewees, and C.W. Haugen (eds.), California's Living Marine Resources and Their Utilization. California Sea Grant College Program. Davis, California. UCSGEP-92-12. 129pp.

Rabalais, N.N., R.E. Turner, and W.J. Wiseman. 2001. Hypoxia in the Gulf of Mexico. Journal of Environmental Quality 30: 320-329.

Rabalais, N.N., W.J. Wiseman, R.E. Turner, B.K. SenGupta, and Q. Dortch. 1996. Nutrient Changes in the Mississippi River and System Responses on the Adjacent Continental Shelf. Estuaries 19: 386-47.

Radle, A.L. (undated). The effect of noise on wildlife: A literature review. http://interact.uoregon.edu/medialit/wfae/readings/radle.html#11, accessed 2006.10.12.

Radle, A.L. 2005. The effect of noise on wildlife: A literature review. World Forum for Acoustic Ecology. Web Site – College of Education – University of Oregon – Eugene, OR. http://interact.uoregon.edu/medialit/wfae/readings/radle.html#11. Accessed 2006.10.12.

Radomski, P., and T.J. Goeman. 2001. Consequences of Human Lakeshore Development on Emergent and Floating-Leaf Vegetation Abundance. North American Journal of Fisheries Management 21:46-61.

Rakocinski, C.F., R.W. Heard, S.E. LeCroy, J.A. McLelland, and T. Simons. 1996. Responses by Macrobenthic Assemblages to Extensive Beach Restoration at Perdido Key, Florida, USA. Journal of Coastal Research 12(1): 326-353.

Raleigh, R.F., W.J. Miller and P.C. Nelson. 1986. Habitat suitability index models and instream flow suitability curves: chinook salmon. U.S. Fish and Wildlife Service Biological Report 82(10.122). Cited in Bjornn and Reiser 1991.

Ram, J.L., P. Fong, R.P. Croll, S.J. Nichols, and D. Wall. 1992. The Zebra Mussel (Dreissena-Polymorpha), a New Pest in North-America - Reproductive Mechanisms as Possible Targets of Control Strategies. Invertebrate Reproduction & Development 22(1-3): 77-86.

Ranasinghe, R., and I.L. Turner. 2006. Shoreline response to submerged structures: A review. Coastal Engineering 53(1): 65-79.

Ranasinghe, R., I.L. Turner, and G. Symonds. 2006. Shoreline response to multi-functional artificial surfing reefs: A numerical and physical modeling study. Coastal Engineering 53(7): 589-611.

Rao, M.V. and V. Kuppusamy. 1992. Leachability of creosote: Fuel oil (1:1) wood preservative in marine environment. Journal of the Timber Development Association of India 38(3):42-45. Cited in Stratus 2005a.

Rao, Y.R., and D.J. Schwab. 2007. Transport and Mixing between the Coastal and Offshore Waters in the Great Lakes: A Review. Journal of Great Lakes Research 33(1): 202-218.

Ratte, L., and E.O. Salo. 1985. Under-Pier Ecology of Juvenile Pacific Salmon (Oncorhynchus Spp.) in Commencement Bay, Washington. FRI-UW-8508. Seattle, Washington: University of Washington Fisheries Research Institute.

Ratte, L.D. 1985. Under-pier ecology of juvenile Pacific salmon (Oncorhynchus spp.) in Commencement Bay, Washington. University of Washington. Cited in Nightingale and Simenstad 2001b.

Ray, H.L., A.M. Ray, and A.J. Rebertus. 2004. Rapid Establishment of Fish in Isolated Peatland Beaver Ponds. Wetlands 24(2): 399-405.

RBW (Royal Boskalis Westminster NB). 2007. Innovative Approach to Ground Level Lowering. Available at:

http://www.boskalis.com/vervolg_1kolom.php?pageID=454&siteLang=en_US (accessed August 15, 2007).

Redding, J.M., C.B. Schreck, and F.H. Everest. 1987. Physiological Effects on Coho Salmon and Steelhead of Exposure to Suspended Solids. Transactions of the American Fisheries Society 116(737-744).

Regnault, M., and J.P. Lagardere. 1983. Effects of Ambient Noise on the Metabolic Level of Crangon crangon (Decapoda, Natantia). Marine Ecology 11: 71-78.

Reible, D., D. Hayes, C. Lue-Hing, J. Patterson, N. Bhowmik, M. Johnson, and J. Teal. 2003. Comparison of the Long-Term Risks of Removal and in Situ Management of Contaminated Sediments in the Fox River. Soil & Sediment Contamination 12(3): 325-344.

Reid, S.M., and P.G. Anderson. 1998. Effects of sediment released during open-cut pipeline water crossings. http://aplwww.alliance-pipeline.com/contentfiles/45_____EffectsofSediment.pdf, accessed 2006.12.06.

Reid, S.M., F. Ade, and S. Metikosh. 2004. Sediment entrainment during pipeline water crossing construction: predictive models and crossing method comparison. Journal of Environmental Engineering and Science 3: 81-88.

Reilly, C.A., T.W. Wyllie-Echeverria, and S. Ralston. 1992. Interannual Variation and Overlap in the Diets of Pelagic Juvenile Rockfish (Genus: Sebastes) Off Central California. Fishery Bulletin 90: 505-515.

Reiman, B.E., and J.D. McIntyre. 1993. Demographic and Habitat Requirements for the Conservation of Bull Trout. Ogden, Utah: USDA Forest Service Intermountain Research Station.

Reiman, B.E., J.T. Peterson, and D.L. Myers. 2006. Have Brook Trout (Salvelinus fontinalis) Displaced Bull Trout (Salvelinus confluentus) Along Longitudinal Gradients in Central Idaho Streams? Canadian Journal of Fisheries & Aquatic Sciences 63: 63-78.

Reine, K., and D. Clarke. 1998. Entrainment by Hydraulic Dredges - a Review of Potential Impacts. Technical Note DOER-EI. Vicksburg, Mississippi: U.S. Army Corps of Engineers, Engineer Research and Development Center.

Reinelt, L.E., and R.R. Horner. 1995. Pollutant Removal from Stormwater Runoff by Palustrine Wetland Based on Comprehensive Budgets. Ecological Engineering 4(2): 77-97.

Reish, D.J. 1961. A Study of Benthic Fauna in a Recently Constructed Boat Harbor in Southern California. Ecology 42(1): 84-91.

Rempel, L., and M. Church. 2003. The Harrison Bar Gravel Removal Experiment: Final Report. Vancouver, BC.

RETEC. 2002. Remedial Investigation and Feasibility Study, Lower Fox River and Green Bay, Wisconsin, Prepared for Wisconsin Department of Natural Resources. Seattle, Washington.

Reyff, J. A. 2006. Russian River Replacement Bridge at Geyserville: Underwater Sound Measurement Data for Driving Permanent 48-inch CISS Piles. Illingworth and Rodkin, Inc., Petaluma, CA.

Reyff, J., P. Donavan, and C.R. Greene Jr. 2003. Underwater Sound Levels Associated with Seismic Retrofit Construction of the Richmond-San Rafael Bridge. Prepared for California Department of Transportation by Illingworth & Rodkin, Inc. and Greeneridge Sciences Sacramento, California.

Reynolds, W. 1987. Coastal structures and long-term shore migration. Proceedings, Coastal Zone 87. American Society of Civil Engineers. As cited in MacDonald et al. 1994.

Ribeiro, F., P.K. Crain, and P.B. Moyle. 2004. Variation in Condition Factor and Growth in Young-of-Year Fishes in Floodplain and Riverine Habitats of the Cosumnes River, California. Hydrobiologia 527(1): 77-84.

Rice, C.A. 2006. Effects of Shoreline Modification on a Northern Puget Sound Beach: Microclimate and Embryo Mortality in Surf Smelt (Hypomesus pretiosus). Estuaries and Coasts 29(1): 63-71.

Rice, C.A. 2006. Effets of shoreline modification on a northern Puget Soun beach: Microclimate and embryo mortality in surf smelt (Hypomesus pretiosus). Estuaries and Coasts 29(1):63-71.

Rice, C.E., and K.C. Kadavy. 1994. Riprap Design Downstream of Submerged Pipe Outlets. Transactions of the ASAE 37(1): 85-94.

Richard, J.D. 1968. Fish Attraction with Pulsed Low Frequency Sound. Journal of the Fisheries Research Board of Canada 25(7): 1441-1452.

Richards, K., J. Brasington, and F. Hughes. 2002. Geomorphic Dynamics of Floodplains: Ecological Implications and a Potential Modeling Strategy. Freshwater Biology 47(4): 559-579.

Richardson, E.V., and S.R. Davies. 2001. Evaluating Scour at Bridges. Fourth Edition. FHWA NHI 01-001 HEC-18, Hydraulic Engineering Circular No. 19. Washington D.C: Federal Highway Administration, U.S. Department of Transportation.

Richardson, J.S., R.E. Bilby, and C.A. Bondar. 2005. Organic Matter Dynamics in Small Streams of the Pacific Northwest. Journal of the American Water Resources Association 41(4): 921-934.

Richardson, M.D., A.G. Carey, and W.A. Colgate. 1977. Aquatic Disposal Field Investigations - Columbia River Disposal Site, Oregon. Appendix C: The Effects of Dredged Material Disposal on Benthic Assemblages. Vicksburg, Mississippi: Report to U.S. Army Corps of Engineers Waterways Expt. Station.

Richardson, W.J., C.R. Green Jr., C.I. Malme, and D.H. Thomson. 1995. Marine Mammals and Noise. Academic Press. San Diego, CA. Cited in Jones and Stokes 2006.

Richter, A., and S.A. Kolmes. 2005. Maximum Temperature Limits for Chinook, Coho, and Chum Salmon, and Steelhead Trout in the Pacific Northwest. Reviews in Fisheries Science 13(1): 23-49.

Riggs, C.D. and G.R. Webb. 1956. The mussel population of an area of loamy-sand bottom of Lake Texoma. American Midland Naturalist. 56:197-203. Cited in Watters et al. 1999.

Ringelman, J. 1991. Managing Beaver to Benefit Waterfowl, Fish and Wildlife Leaflet 13.4.7. Washington, DC: U.S. Fish and Wildlife Service.

Rinne, J.N., W.L. Minckley, and P.O. Bersell. 1981. Factors Influencing Fish Distribution in Two Desert Reservoirs, Central Arizona. Hydrobiologia 80(1): 31-42.

Roberts, B., P.J. Mulholland, and J. Houser. 2007. Effects of Upland Disturbance and Instream Restoration on Hydrodynamics and Ammonium Uptake in Headwater Streams. Journal of the North American Benthological Society 26(1): 38-53.

Robertson, D.R., D.G. Green, and B.C. Victor. 1988. Temporal Coupling of Production and Recruitment of Larvae of a Caribbean Reef Fish. Ecology 69: 370-381.

Robinson, G.D., W.A. Dunson, J.E. Wright, and G.E. Mamolito. 1976. Differences in low pH tolerance among strains of brook trout (Salvelinus fontinalis). Journal of Experimental Zoology 204: 33-42.

Robinson, J.E., R.C. Newell, L.J. Seiderer, and N.M. Simpson. 2005. Impacts of Aggregate Dredging on Sediment Composition and Associated Benthic Fauna at an Offshore Dredge Site in the Southern North Sea. Marine Environmental Research 60(1): 51-68.

Robinson, T.C., and J.M. Bayer. 2005. Upstream Migration of Pacific Lampreys in the John Day River, Oregon: Behavior, Timing, and Habitat Use. Northwest Science 79(2-3): 106-119.

Roby, D.D., K. Collis, D.E. Lyons, D.P. Craig, J.Y. Adkins, A.M. Myers, and R.M. Suryan. 2002. Effects of colony relocation on diet and productivity of Caspian terns. Journal of Wildlife Management 66(3): 662-673.

Rodgers, D.W., and P.H. Patrick. 1985. Evaluation of a Hidrostal Pump Fish Return System. North American Journal of Fisheries Management 5(3a): 393-399.

Rodriguez, M.A. 2002. Restricted Movement in Stream Fish: The Paradigm Is Incomplete, Not Lost. Ecology 83(1): 1-13.

Rodway, M.S., H.M. Regehr, J. Ashley, P.V. Clarkson, R.I. Goudie, D.E. Hay, C.M. Smith, and K.G. Wright. 2003. Aggregative response of Harlequin Ducks to herring spawning in the Strait

of Georgia, British Columbia. Canadian Journal of Zoology-Revue Canadienne De Zoologie 81(3): 504-514.

Roegner, G.C., B.M. Hickey, J.A. Newton, A.L. Shanks, and D.A. Armstrong. 2002. Wind-Induced Plume and Bloom Intrusions into Willapa Bay, Washington. Limnology and Oceanography 47(4): 1033-1042.

Rolauffs, P., D. Hering, and S. Lohse. 2001. Composition, Invertebrate Community and Productivity of a Beaver Dam in Comparison to Other Stream Habitat Types. Hydrobiologia 459: 201-212.

Rolletschek, H., and H. Kühl. 1997. Die Auswirkungen Von Röhrichtschutzbauwerken Auf Die Gewässerufer (the Impacts of Reed Protecting Structures on Lakesides). Limnologica 27(3-4): 365-380.

Roman, C.T., W.A. Niering, and R.S. Warren. 1984. Salt Marsh Vegetation Change in Response to Tidal Restriction. Environmental Management 8: 141-150.

Roni, P., and T.P. Quinn. 2001. Effects of Wood Placement on Movements of Trout and Juvenile Coho Salmon in Natural and Artificial Stream Channels. Transactions of the American Fisheries Society 130(4): 675-685.

Roni, P., T. Bennett, S. Morley, G.R. Pess, K. Hanson, D. Van Slyke, and P. Olmstead. 2006. Rehabilitation of Bedrock Stream Channels: The Effects of Boulder Weir Placement on Aquatic Habitat and Biota. River Research and Applications 22(9): 967-980.

Roni, P., T.J. Beechie, R.E. Bilby, F.E. Leonetti, M.M. Pollock, and G.R. Pess. 2002. A Review of Stream Restoration Techniques and a Hierarchical Strategy for Prioritizing Restoration in Pacific Northwest Watersheds. North American Journal of Fisheries Management 22(1): 1-20.

Rooper, C.N., D.R. Gunderson, and B.M. Hickey. 2006. An Examination of the Feasibility of Passive Transport from Coastal Spawning Grounds to Estuarine Nursery Areas for English Sole. Estuarine Coastal and Shelf Science 68(3-4): 609-618.

Roper, B.B., D. Konnoff, D. Heller, and K. Wieman. 1998. Durability of Pacific Northwest Instream Structures Following Floods. North American Journal of Fisheries Management 18(3): 686-693.

Rosenthal, R.J., V. Moran-O'Connell, and M.C. Murphy. 1988. Feeding ecology of ten species of rockfishes (Scorpaenidae) from the Gulf of Alaska. California Department of Fish and Game 74:16-36. Cited in NRC 2001.

Roth, B.M., I.C. Kaplan, G.G. Sass, P.T. Johnson, A.E. Marburg, A.C. Yannarell, T.D. Havlicek, T.V. Willis, M.G. Turner, and S.R. Carpenter. 2007. Linking terrestrial and aquatic ecosystems: The role of woody habitat in lake food webs. Ecological Modeling 203(3-4): 439-452.

Rowe, D., J. Smith, B. Baillie, and M. Meleason. 2004. Wood in Streams: How Much Is Good for Fish? Water and Atmosphere 12(1): 16-17.

Rowe, D.K. and T.L. Dean. 1998. Effects of turbidity on the feeding ability of the juvenile migrant stage of six New Zealand freshwater fish species. New Zealand Journal of Marine and Freshwater Research 32:21-29.

Rowntree, K.M., and E.S.J. Dollar. 1999. Vegetation Controls on Channel Stability in the Bell River, Eastern Cape, South Africa. Earth Surface Processes and Landforms 24(2): 127-134.

Rulifson, R.A., and B.L. Wall. 2006. Fish and Blue Crab Passage through Water Control Structures of a Coastal Bay Lake. North American Journal of Fisheries Management 26(2): 317-326.

Russel, I.C., A. Moore, S. Ives, L.T. Kell, M.J. Ives, and R.O. Stonehewer. 1998. The Migratory Behavior of Juvenile and Adult Salmonids in Relation to an Estuarine Barrage. Hydrobiologia 371/372: 321-333.

Rychetsky, S., and G. Card. 2000. Infiltration Galleries Of Oregon. Developed in cooperation with the Jefferson County Soil and Water Conservation District, June 2000.

Saiki, M.K., and B.A. Martin. 2001. Survey of fishes and environmental conditions in Abbotts Lagoon, Point Reyes National Seashore, California. California Fish and Game 87(4): 123-138.

Saldi-Caromile, K., K. Bates, P. Skidmore, J. Barenti, and D. Pineo. 2004. Stream habitat restoration guidelines: Final draft. Co-published by the Washington Departments of Fish and Wildlife and Ecology and the U.S. Fish and Wildlife Service. Olympia, Washington. http://wdfw.wa.gov/hab/ahg/shrg/index.htm, accessed 2006.11.28.

Salim, M., and J.S. Jones. 1999. Scour Around Exposed Pile Foundations. Reston, Virginia.

Salo, E. O., N.J. Bax, T.E. Prinslow, C.J. Whitmus, B.P. Snyder, and C.A. Simenstad. 1980. The effects of construction of naval facilities on the outmigration of juvenile salmonids from Hood Canal, Washington. Final Report FRI-UW-8006. University of Washington, Fisheries Research Institute. Cited in Nightingale and Simenstad 2001b.

Salo, E.O. 1991. Life History of Chum Salmon (Oncorhynchus keta). In Pacific Salmon Life Histories, edited by C. Groot and L. Margolis. Vancouver, British Columbia: University of British Columbia Press. pp. 231-310.

Salo, E.O., N.J. Bax, T.E. Prinslow, C.J. Whitmus, B.P. Snyder, and C.A. Simenstad. 1980. The Effects of Construction of Naval Facilities on the Outmigration of Juvenile Salmonids from Hood Canal, Washington. Final Report FRI-UW-8006. Seattle, Washington: University of Washington, Fisheries Research Institute.

Salo, E.O., T.E. Prinslow, R.A. Campbell, D.W. Smith, and B.P. Snyder. 1979. Trident dredging study: the effects of dredging at the U.S. Naval Submarine Base at Bangor on outmigrating juvenile chum salmon, Oncorhynchus keta, in Hood Canal, Washington: final report, February to July 1977. Seattle, WA: University of Washington Fisheries Research Institute.

Sammut, J., I. White, and M.D. Melville. 1996. Acidification of an Estuarine Tributary in Eastern Australia Due to Drainage of Acid Sulfate Soils. Marine and Freshwater Research 47(5): 669-684.

Sampson, D.B. 1996. Stock Status of Canary Rockfish off Oregon and Washington in 1996: Appendix C in Pacific Fishery Management Council. Status of the Pacific Coast Groundfish Fishery through 1996 and Recommended Acceptable Biological Catches for 1997: Stock Assessment and Fishery Evaluation. Portland, Oregon: Pacific Fishery Management Council.

Sandahl, J.F., D.H. Baldwin, J.J. Jenkins, and N.L. Scholz. 2004. Odor-Evoked Field Potentials as Indicators of Sublethal Neurotoxicity in Juvenile Coho Salmon (Oncorhynchus Kisutch) Exposed to Copper, Chlorpyrifos, or Esfenvalerate. Canadian Journal of Fisheries & Aquatic Sciences 61: 404-413. (As cited in Stratus 2005b)

Sandecki, M. 1989. Aggregate Mining in River Systems. California Geology 42: 88-94.

Sand-Jensen, K. 1998. Influence of Submerged Macrophytes on Sediment Composition and Near-Bed Flow in Lowland Streams. Freshwater Biology 39(4): 663-679.

Sandstrom, A., B.K. Eriksson, P. Karas, M. Isaeus, and H. Schreiber. 2005. Boating and Navigation Activities Influence the Recruitment of Fish in a Baltic Sea Archipelago Area. Ambio 34(2): 125-130.

Sane, M., H. Yamagishi, M. Tatelshi, and T. Yamagishi. 2007. Environmental Impacts of Shore-Parallel Breakwaters Along Nagahama and Ohgata, District of Joetsu, Japan. Journal of Environmental Management 82(4): 399-409.

Sargeant, S.L., M.C. Miller, C.W. May, and R.M. Thom. 2004. Shoreline armoring research program; Phase II-Conceptual model development for bank stabilization in freshwater systems. Prepared for Washington State Dept. of Transportation. Olympia, WA.

Sargent, F.J., T.J. Leary, D.W. Crewz, and C.R. Kruer. 1995. Scarring of Florida's seagrasses: an assessment and management options, Florida Marine Research Institute Technical Report TR-1. Florida Marine Research Institute, St. Petersburg, Florida. 43 pp. plus appendix. Cited in Dawes et al. 2004.

Sass, G.G., J.F. Kitchell, S.R. Carpenter, T.R. Hrabik, A.E. Marburg, and M.G. Turner. 2006. Fish Community and Food Web Responses to a Whole-Lake Removal of Coarse Woody Habitat. Fisheries 31: 321-330.

Saulnier, I., and A. Mucci. 2000. Trace Metal Remobilization Following the Resuspension of Estuarine Sediments: Saguenay Fjord, Canada. Applied Geochemistry 15(2): 191-210.

Scavia, D., and S.B. Bricker. 2006. Coastal Eutrophication Assessment in the United States. Biogeochemistry 79(1-2): 187-208.

Schaffter, R.G., P.A. Jones, and J.G. Karlton. 1983. Sacramento River and Tributaries Bank Protection and Erosion Control Investigation-Evaluation of Impacts on Fisheries. Prepared for U.S. Army Corps of Engineers, Sacramento District by The Resources Agency, California Department of Fish and Game, Sacramento.

Schemel, L.E., T.R. Sommer, A.B. Muller-Solger, and W.C. Harrell. 2004. Hydrologic Variability, Water Chemistry, and Phytoplankton Biomass in a Large Floodplain of the Sacramento River, California, USA. Hydrobiologia 513(1-3): 129-139.

Scheuerell, M.D., and D.E. Schindler. 2004. Changes in the Spatial Distribution of Fishes in Lakes Along a Residential Development Gradient. Ecosystems 7(1): 98-106.

Scheuerell, M.D., P.S. Levin, R.W. Zabel, J.G. Williams, and B.L. Sanderson. 2005. A New Perspective on the Importance of Marine-Derived Nutrients to Threatened Stocks of Pacific Salmon (Oncorhynchus spp.). Canadian Journal of Fisheries and Aquatic Sciences 62(5): 961-964.

Schille, P.C. 2007. Personal communication (contact with E. Doyle, Herrera Environmental Consultants, Seattle, Washington, regarding the use of pile driving in fish screen installation). WDFW, Yakima Screen Shop, Washington.

Schille, P.C. 2008. Personal communication (contact with E. Doyle, Herrera Environmental Consultants, Seattle, Washington, providing text description of modular screen systems developed by the WDFW Yakima Screen Shop during the 1990s). WDFW, Yakima Screen Shop, Washington.

Schindler, D.E., P.R. Leavitt, C.S. Brock, S.P. Johnson, and P.D. Quay. 2005. Marine-Derived Nutrients, Commercial Fisheries, and Production of Salmon and Lake Algae in Alaska. Ecology 86(12): 3225-3231.

Schindler, D.E., S.I. Geib, and M.R. Williams. 2000. Patterns of Fish Growth Along a Residential Development Gradient in North Temperate Lakes. Ecosystems 3: 229-237.

Schlesinger, W.H. 1997. Biogeochemistry: An analysis of global change. San Diego, California: Academic Press.

Schlosser, I.J. 1995. Dispersal, Boundary Processes, and Trophic-Level Interactions in Streams Adjacent to Beaver Ponds. Ecology 76(3): 908-925.

Schmetterling, D.A. 2003. Reconnecting a Fragmented River: Movements of Westslope Cutthroat Trout and Bull Trout after Transport Upstream of Milltown Dam, Montana. North American Journal of Fisheries Management 23(3): 721-731.

Schmetterling, D.A., C.G. Clancy, and T.M. Brandt. 2001. Effects of riprap bank reinforcement on stream salmonids in the Western United States. Fisheries 26(7): 6-13. 7-23; 7-48

Schmidt, K.M., J.J. Roering, J.D. Stock, W.E. Dietrich, D.R. Montgomery, and T. Schaub. 2001. The Variability of Root Cohesion as an Influence on Shallow Landslide Susceptibility in the Oregon Coast Range. Canadian Geotechnical Journal 38(5): 995-1024.

Scholik, A.R., and H.Y. Yan. 2001a. Effects of underwater noise on auditory physiology of fishes. Proceedings of Institute of Acoustics, United Kingdom 23(2): 27-36.

Scholik, A.R., and H.Y. Yan. 2001b. Effects of underwater noise on auditory sensitivity of a cyprinid fish. Hearing Research 152: 17-24.

Scholik, A.R., and H.Y. Yan. 2002. Effects of Boat Engine Noise on Auditory Sensitivity of the Fathead Minnow, Pimephales Promelas. Environmental Biological Fish 63: 203-209.

Scholik, A.R., and H.Y. Yan. 2002. The effects of noise on the auditory sensitivity of the bluegill sunfish, Lepomis macrochirus. Comparative Biochemistry and Physiology A133: 43-52.

Schoning, R.W., and D.R. Johnson. 1956. A Measured Delay in the Migration of Adult Chinook Salmon at Bonneville Dam on the Columbia River. Contribution No. 23. Portland, Oregon: Fish Commission of Oregon.

Schoonover, J.E., and K.W.J. Williard. 2003. Ground Water Nitrate Reduction in Giant Cane and Forest Riparian Buffer Zones. Journal of the American Water Resources Association 39(2): 347-354.

Schuett-Hames, D., B. Conrad, A. Pleus, and K. Lautz. 1996. Literature Review and Monitoring Recommendations for Salmonid Spawning Gravel Scour. TFW-AM9-96-001. Northwest Indian Fisheries Commission and Washington Department of Fish and Wildlife.

Schumm, S.A. 1971. Fluvial Geomorphology: Channel Adjustment and River Metamorphosis. In River Mechanics. Volume 1, edited by H.W. Shen. Fort Collins, Colorado. pp. 5-1 to 5-11.

Schumm, S.A., M.D. Harvey, and C.C. Watson. 1984. Incised Channels: Morphology, Dynamics, and Control. Littleton, Colorado: Water Resources Publications.

Schwarz, A.L. and G.L.Greer. 1984. Responses of Pacific herring, Clupea harengus pallasi, to some underwater sounds. Canadian Journal of Fisheries and Aquatic Sciences. 41: 1183-1192. Cited in Scholik and Yan 2001a.

- Scruggs, G. D. 1960. Status of fresh-water mussel stocks in the Tennessee River. U.S. Fish and Wildlife Service Special Science Report on Fish 370:1–41. Cited in Tucker and Theiling 1998.
- Seabergh, W.C., and N.C. Kraus. 2003. Progress in Management of Sediment Bypassing at Coastal Inlets: Natural Bypassing, Weir Jetties, Jetty Spurs, and Engineering Aids in Design. Coastal Engineering Journal 45(4): 533-563.
- Sear, D.A. 1995. Morphological and Sedimentological Changes in a Gravel-Bed River Following 12 Years of Flow Regulation for Hydropower. Regulated Rivers: Research and Management 10: 247-264.
- Sear, D.A., S.E. Darby, C.R. Thorne, and A.B. Brookes. 1994. Geomorphological Approach to Stream Stabilization and Restoration Case-Study of the Mimmshall Brook, Hertfordshire, UK. Regulated Rivers-Research & Management 9: 205-223.
- Sedell J. R., and K. J. Luchessa. 1982. 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. Bethesda, Maryland: American Fisheries Society.
- 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. Verhandlungen der Internationale Vereinigung für Limnologie 22:1828-1834.
- Sedell, J.R., and K.J. Luchessa. 1982. 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. Bethesda, Maryland: American Fisheries Society.
- Sedell, J.R., F. J. Swanson, and S.V. Gregory. 1985. Evaluating fish response to woody debris. Pp. 222-245 in T.J. Hassler (ed.), Proceedings of the Pacific Northwest stream habitat workshop. Arcata, CA: California Cooperative Fishery Research Unit, Humboldt State University. Cited in Naiman et al. 2002.
- Sedell, J.R., J.E. Yuska and R.W. Speaker. 1986. Habitats and salmonid distribution in pristine, sediment-rich river valley systems: S. Fork Hoh and Queets River, Olympic National Park. Pages 33-46 in W.R. Meehan, T.R. Merrell, Jr., and T.A. Hanley (eds.), Fish and wildlife relationships in old-growth forests. American Institute of Fishery Research Biologists.
- Seitz, R.D., R.N. Lipcius, and M.S. Seebo. 2005. Food Availability and Growth of the Blue Crab in Seagrass and Unvegetated Nurseries of Chesapeake Bay. Journal of Experimental Marine Biology and Ecology 319(1-2): 57-68.
- Seliskar, D.M. and J.L. Gallagher. 1983. The ecology of tidal marshes of the Pacific Northwest Coast: a community profile. U.S. Fish and Wildlife Service, Division of Biological Services. Washington, D.C. FWS/OBS-82/32. 65 p.

Selong, J.H., T.E. McMahon, A.V. Zale, and F.T. Barrows. 2001. Effect of Temperature on Growth and Survival of Bull Trout, with Application of an Improved Method for Determining Thermal Tolerance in Fishes. Transactions of the American Fisheries Society 130(6): 1026-1037.

Sergeant, C.J., and D.A. Beauchamp. 2006. Effects of Physical Habitat and Ontogeny on Lentic Habitat Preferences of Juvenile Chinook Salmon. Transactions of the American Fisheries Society 135(5): 1191-1204.

Servizi, J.A. and D.W. Martens. 1987. Some effects of suspended Fraser River sediments on sockeye salmon (Oncorhynchus nerka). In H.D. Smith, L. Margolis, and C.C. Wood, eds. Sockeye salmon (Oncorhynchus nerka) population biology and future management. Canadian Special Publication of Fisheries and Aquatic Sciences 96: 254-264.

Servizi, J.A., and D.W. Martens. 1991. Effect of Temperature, Season, and Fish Size on Acute Lethality of Suspended Sediments to Coho Salmon (Oncorhynchus kisutch). Canadian Journal of Fisheries and Aquatic Sciences 48(3): 493-497.

Servizi, J.A., and D.W. Martens. 1992. Sublethal Responses of Coho Salmon (Oncorhynchus kisutch) to Suspended Sediments. Canadian Journal of Fisheries and Aquatic Sciences 49(7): 1389-1395.

Servizi, J.A., and R.W. Gordon. 1990. Acute Lethal Toxicity of Ammonia and Suspended Sediment Mixtures to Chinook Salmon (Oncorhynchus tshawytscha). Bulletin of Environmental Contamination and Toxicology 44(4): 650-656.

Seymour, R., R.T. Guza, W. O'Reilly, and S. Elgar. 2005. Rapid Erosion of a Small Southern California Beach Fill. Coastal Engineering 52(2): 151-158.

Shafer, D.J. 1999. The Effects of Dock Shading on the Seagrass Halodule Wrightii in Perdido Bay, Alabama. Estuaries 22(4): 936-943.

Shafer, D.J. 2002. Recommendations to Minimize Potential Impacts to Seagrasses from Single-Family Residential Dock Structures in the Pacific Northwest. Seattle, Washington: U.S. Army Corps of Engineers, Seattle District.

Shaffer, J.A., D. Penttila, M. McHenry, and D. Vilella. 2007. Observations of Eulachon, Thaleichthys pacificus, in the Elwha River, Olympic Peninsula, Washington. Northwest Science 81(1): 76-81.

Shafroth, P.B., J.M. Friedman, G.T. Auble, M.L. Scott, and J.H. Braatne. 2002. Potential Responses of Riparian Vegetation to Dam Removal. Bioscience 52(8): 703-712.

Sharber, N.G., and S.W. Carothers. 1988. Influence of Electrofishing Pulse Shape on Spinal Injuries in Adult Rainbow Trout. North American Journal of Fisheries Management 8: 117-122.

- Shaw, D.G., J.W. Farrington, M.S. Connor, B.W. Tripp, and J.R. Schubel. 1999. Potential Environmental Consequences of Petroleum Exploration and Development on Georges Bank, Report 99-3. Boston, Massachusetts: New England Aquarium.
- Shaw, T.C. 1996. Effectiveness of an Excluder Device in Preventing the Entrainment of Benthic Invertebrates and Demersal Fishes in Grays Harbor, Washington. Proceedings of the Western Dredging Association Seventeenth Technical Conference.
- Sheibley, R.W., A.P. Jackman, J.H. Duff, and F.J. Triska. 2003. Numerical Modeling of Coupled Nitrification-Denitrification in Sediment Perfusion Cores from the Hyporheic Zone of the Shingobee River, Minnesota. Advances in Water Resources 26(9): 977-987.
- Sheibley, R.W., D.S. Ahearn, and R.A. Dahlgren. 2006. Nitrate Loss from a Restored Floodplain in the Lower Cosumnes River, California. Hydrobiologia 571: 261-272.
- Sheibley, R.W., J.H. Duff, A.P. Jackman, and F.J. Triska. 2003. Inorganic Nitrogen Transformations in the Bed of the Shingobee River, Minnesota: Integrating Hydrologic and Biological Processes Using Sediment Perfusion Cores. Limnology and Oceanography 48(3): 1129-1140.
- Sheldon, D., T. Hruby, P. Johnson, K. Harper, A. McMillan, T. Granger, S. Stanley, and E. Stockdale. 2005. Wetlands in Washington State Volume 1: A Synthesis of the Science. Olympia, Washington: Washington State Department of Ecology. Publication #05-06-006. March 2005.
- Sheldon, R.B., and C.W. Boylen. 1977. Maximum Depth Inhabited by Aquatic Vascular Plants. American Midland Naturalist 97: 248-254.
- Sheoran, A.S., and V. Sheoran. 2006. Heavy Metal Removal Mechanism of Acid Mine Drainage in Wetlands: A Critical Review. Minerals Engineering 19(2): 105-116.
- Shepard, B.B., K.L. Pratt, and P.J. Graham. 1984. Life Histories of Westslope Cutthroat Trout and Bull Trout in the Upper Flathead River Basin, Montana. Helena, Montana: Montana Department of Fish, Wildlife and Parks.
- Shephard, B., R. Spoon, and L. Nelson. 2002. A Native Westslope Cutthroat Trout Population Responds Positively after Brook Trout Removal and Habitat Restoration. Intermountain Journal of Sciences 8(3): 193-214.
- Sherwood, C.R., D.A. Jay, R.B. Harvey, P. Hamilton, and C.A. Simenstad. 1990. Historical Changes in the Columbia River Estuary. Progress in Oceanography 25(1-4): 299-352.
- Shields, F., C. Cooper, and S. Knight. 1995. Experiment in Stream Restoration. Journal of Hydraulic Engineering 121: 494-502.

Shields, F.D. 1991. Woody Vegetation and Riprap Stability Along the Sacramento River Mile 84.5-119. Water Resources Bulletin 27(3): 527-536

Shields, F.D., and D.H. Gray. 1992. Effects of Woody Vegetation on Levee Integrity. Water Resources Bulletin 28: 917-931.

Shields, F.D., Jr., and C.J. Gippel. 1995. Prediction of effects of woody debris removal on flow resistance. Journal of Hydraulic Engineering 121(4), 341-354.

Shields, F.D., S.S. Knight, and C.M. Cooper. 1998. Rehabilitation of Aquatic Habitats in Warmwater Streams Damaged by Channel Incision in Mississippi. Hydrobiologia 382: 63-86.

Shipman, H., 2001. Beach Nourishment on Puget Sound: A Review of Existing Projects. Puget Sound Research Conference, Bellevue, Washington, February 12 – 14, 2001. pp. 1-8.

Shively, R.S., R.A. Tabor, R.D. Nelle, D.B. Jepsen, J.H. Petersen, S.T. Sauter, and T.P. Poe. 1991. System-wide significance of predation on juvenile salmonids in the Columbia and Snake river systems. U.S. Fish and Wildlife Service, Annual Report. Project 90-078 (Contract DE-AI79-90BP07096). Cook, Washington. Cited in Carrasquero 2001.

Shpigel, M., and L. Fishelson. 1989. Habitat Partitioning between Species of the Genus Cephalopholis (Pisces, Serranidae) across the Fringing-Reef of the Gulf of Aqaba (Red-Sea). Marine Ecology-Progress Series 58(1-2): 17-22.

Shreffler, D. K. and R. Moursund. 1999. Impacts of ferry terminals on migrating juvenile salmon along Puget Sound shorelines: Phase II field studies at Port Townsend Ferry Terminal. Contract GCA-1723. Olympia, Washington: Washington State Department of Transportation.

Shreffler, D.K., and W.M. Gardiner. 1999. Preliminary Findings of Diving and Light Surveys. Washington State Transportation Center.

Shreffler, D.K., C.A. Simenstad, and R.M. Thom. 1992. Foraging by juvenile salmon in a restored estuarine wetland. Estuaries 15(2):204-213.

Shteinman, B. and Y. Kameni. 1999. Study of long shore sediment transport in the vicinity of hydrotechnical constructions. In: Coastal Engineering and Marina Developments. C.A. Brebbia and P. Anagnostopoulos, eds. Southampton, Boston: WIT Press. Cited in Nightingale and Simenstad 2001b.

Shuman, J.R. 1995. Environmental Considerations for Assessing Dam Removal Alternatives for River Restoration. Regulated Rivers-Research & Management 11(3-4): 249-261.

Sibley, P.K., M.L. Harris, K.T. Bestari, T.A. Steele, R.D. Robinson, R.W. Gensemer, K.E. Day, and K.R. Solomon. 2001. Response of Zooplankton and Phytoplankton Communities to Liquid Creosote in Freshwater Microcosms. Environmental Toxicology and Chemistry 20(12): 2785-2793.

- Sibley, P.K., M.L. Harris, K.T. Bestari, T.A. Steele, R.D. Robinson, R.W. Gensemer, K.E. Day, and K.R. Solomon. 2001. Response of zooplankton communities to liquid creosote in freshwater microcosms. Environmental Toxicology and Chemistry 20(2):394-405. Cited in Stratus 2005a.
- Sibley, P.K., M.L. Harris, K.T. Bestari, T.A. Steele, R.D. Robinson, R.W. Gensemer, K.E. Day, and K.R. Solomon. 2004. Response of zooplankton and phytoplankton communities to creosote-impregnated Douglas fir pilings in freshwater microcosms. Archives of Environmental Contamination and Toxicology 47:56-66. Cited in Stratus 2005a.
- Sigler, J.W. 1988. Effects of Chronic Turbidity on Anadromous Salmonids: Recent Studies and Assessment Techniques Perspective. In Effects of Dredging on Anadromous Pacific Coast Fishes, edited by C.A. Simenstad. Seattle, Washington: Washington Sea Grant Program.
- Sigler, J.W. 1990. Effects of Chronic Turbidity on Anadromous Salmonids: Recent Studies and Assessment Techniques Perspective. September 8-9. pp. 26-37.
- Sigler, J.W., T.C. Bjornn, and F.H. Everest. 1984. Effects of Chronic Turbidity on Density and Growth of Steelheads and Coho Salmon. Transactions of the American Fisheries Society 113(2): 142-150.
- Sigler, John W. 1988. Effects of chronic turbidity on anadromous salmonids: Recent studies and assessment techniques perspective. In: C.A. Simenstad (ed.). Effects of dredging on anadromous Pacific coast fishes. Seattle, WA: Washington Sea Grant Program, University of Washington. 1990.
- Sigourney, D.B., B.H. Letcher, and R.A. Cunjak. 2006. Influence of Beaver Activity on Summer Growth and Condition of Age-2 Atlantic Salmon Parr. Transactions of the American Fisheries Society 135(4): 1068-1075.
- Silvester, R. 1977. The role of wave reflection in coastal processes. Proceedings of Coastal Sediments 1977 (American Society of Civil Engineers), 639-654. In Gabriel and Terich 2005.
- 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, editor. Estuarine Comparisons. Academic Press, Toronto, Ontario, Canada.
- Simenstad, C., D. Reed, and M. Ford. 2006. When Is Restoration Not? Incorporating Landscape-Scale Processes to Restore Self-Sustaining Ecosystems in Coastal Wetland Restoration. Ecological Engineering 26(1): 27-39.
- Simenstad, C.A. 1983. The ecology of estuarine channels of the Pacific Northwest: A community profile. U.S. Fish and Wildlife Service, Biological Services Program FWS/OBS 83/05. 250 pp.

Simenstad, C.A. 1990. Effects of Dredging on Anadromous Pacific Coast Fishes Summary and Conclusions from Workshop and Working Group Discussions. September 8-9, 1990. pp. 144-152.

Simenstad, C.A., and E.O. Salo. 1980. Foraging Success as a Determinant of Estuarine and Nearshore Carrying Capacity of Juvenile Chum Salmon (Oncorhynchus keta) in Hood Canal, Washington. Proceedings of the North Pacific Aquaculture Symptom, Fairbanks, Alaska, August. 18-27.

Simenstad, C.A., and R.M. Thom. 1996. Functional Equivalency Trajectories of the Restored Gog-Le-Hi-Te Estuarine Wetland. Ecological Applications 6(1): 38-56.

Simenstad, C.A., B. Nightingale, R.A. Thom, and D.K. Shreffler. 1999. Impacts of Ferry Terminals on Juvenile Salmon Migrating Along Puget Sound Shorelines: Phase I Synthesis of State of Knowledge. Research Project T9903 Task A2. Seattle, Washington: Washington State Transportation Center.

Simenstad, C.A., B. Nightingale, R.M. Thom, and D. K. Shreffler. 1999. Impacts of ferry terminals on juvenile salmon migrating along Puget Sound shorelines: Phase I synthesis of state of knowledge. Research Project T9903 Task A2. Washington State Transportation Center.

Simenstad, C.A., B.S. Miller, C.F. Nyblade, K. Thornburgh, and L.J. Bledsoe. 1979. Food web relationship of northern Puget Sound and the Strait of Juan de Fuca, EPA Interagency Agreement No. D6-E693-EN. Office of Environmental Engineering and Technology, US Environmental Protection Agency. Cited in NRC 2001 and in Nightingale and Simenstad 2001

Simenstad, C.A., J.R. Cordell, and L.A. Weitkamp. 1991. Effects of substrate modification on littoral flat meiofauna: Assemblage structure changes associated with adding gravel. FRI-UW-9124. Wetland Ecosystem Team, Fisheries Research Institute, School of Fisheries, University of Washington, Seattle, Washington. 91 pp.

Simenstad, C.A., J.R. Cordell, R.C. Wissmar, K.L. Fresh, S.L. Schroeder, M. Carr, G. Sanborn, and M. Burg. 1988. Assemblage Structure, Microhabitat Distribution, and Food Web Linkages of Epibenthic Crustaceans in Padilla Bay National Estuarine Research Reserve, Washington. FRI-UW-8813. Seattle, Washington: University of Washington, Fisheries Research Institute.

Simenstad, C.A., W.J. Kinney, S.S. Parker, E.O. Salo, J.R. Cordell, and H. Buechner. 1980. Prey Community Structure and Trophic Ecology of Outmigating Juvenile Chum and Pink Salmon in Hood Canal, Washington: A Synthesis of Three Years' Studies, 1977-1979. Seattle, Washington: Fisheries Research Institute, University of Washington.

Simmons, G.M. 1992. Importance of Submarine Groundwater Discharge (SGWD) and Seawater Cycling to Material Flux across Sediment Water Interfaces in Marine Environments. Marine Ecology-Progress Series 84(2): 173-184.

- Simon, A. 1994. Gradation Processes and Channel Evolution in Modified West Tennessee Streams Process, Response, and Form. Professional Paper 1470, Denver, Colorado: U.S. Geological Survey, 84p.
- Simon, A., and C.R. Hupp. 1992. Geomorphic and Vegetative Recovery Processes Along Modified Tennessee Streams: An Interdisciplinary Approach to Disturbed Fluvial Systems. Washington, DC: International Association of Hydrological Sciences.
- Simonini, R., I. Ansaloni, F. Cavallini, F. Graziosi, M. Iotti, G.M. N'Siala, M. Mauri, G. Montanari, M. Preti, and D. Prevedelli. 2005. Effects of Long-Term Dumping of Harbor-Dredged Material on Macrozoobenthos at Four Disposal Sites Along the Emilia-Romagna Coast (Northern Adriatic Sea, Italy). Marine Pollution Bulletin 50(12): 1595-1605.
- Sinclair, M. 1992. Marine Populations an Essay on Population Regulation and Speciation. Books in Recruitment Fishery Oceanography. Seattle and London: Washington Sea Grant Program, University of Washington Press.
- Sinsabaugh, R.L., M.P. Osgood, and S. Findlay. 1994. Enzymatic Models for Estimating Decomposition Rates of Particulate Detritus. Journal of the North American Benthological Society 13(2): 160-169.
- Skalski, J.R., W.H. Pearson, and C.I. Malme. 1992. Effects of sounds from a geophysical survey device on catch-per-unit-effort in a hook-and-line fishery for rockfish (Sebastes spp.). Canadian Journal of Fisheries and Aquatic Sciences 49: 1357-1365.
- Slate, L.O., F.D. Shields, J.S. Schwartz, D.D. Carpenter, and G. Freeman. 2007. Engineering design standards and liability for stream channel restoration. American Society of Civil Engineers Journal of Hydraulic Engineering 133: 1099-1102.
- Smith, R.D., R.C. Sidle, P.E. Porter, and J.R. Noel. 1993. Effects of Experimental Removal of Woody Debris on the Channel Morphology of a Forest, Gravel-Bed Stream. Journal of Hydrology 152(1-4): 153-178.
- Smith, S.D.A., and M.J. Rule. 2001. The Effects of Dredge-Spoil Dumping on a Shallow Water Soft-Sediment Community in the Solitary Islands Marine Park, NSW, Australia. Marine Pollution Bulletin 42(11): 1040-1048.
- Smith, S.L., D.D. MacDonald, K.A. Keenleyside, C.G. Ingersoll, and L.J. Field. 1996. A preliminary evaluation of sediment quality assessment values for freshwater ecosystems. Journal of Great Lakes Research 22(3):624-638. Cited in Stratus 2005b.
- Smith, W.L. 1999. Local Structure-Induced Sediment Scour at Pile Groups. Master's Thesis, University of Florida, Gainesville, Florida.
- Smits, J. 1998. Machines, Methods and Mitigation. Environmental Aspects of Dredging. The Hague, Netherlands: International Association of Dredging Companies (IADC).

Smokorowski, K.E., T.C. Pratt, W.G. Cole, L.J. McEachern, and E.C. Mallory. 2006. Effects on Periphyton and Macroinvertebrates from Removal of Submerged Wood in Three Ontario Lakes. Canadian Journal of Fisheries and Aquatic Sciences 63(9): 2038-2049.

Snoeyink, V.L., and D. Jenkins. 1980. Water Chemistry. New York: Wiley.

Snyder, D.E. 2003. Electrofishing and its harmful effects on fish. Information and Technology Report USGS/BRD/ITR-2003-0002. U.S. Government Printing Office, Denver, CO. U.S. Geological Survey. 149 p.

Snyder, N.P., S.A. Wright, C.N. Alpers, L.E. Flint, C.W. Holmes, and D.M. Rubin. 2006. Reconstructing Depositional Processes and History from Reservoir Stratigraphy: Englebright Lake, Yuba River, Northern California. Journal of Geophysical Research-Earth Surface 111(F4).

Soar, P.J. and C.R. Thorne. 2001. Channel restoration design for meandering rivers. U.S. Army Corp of Engineers. Report ERDC/CHL. September.

Sobocinski, K. 2003. The Impact of Shoreline Armoring on Supratidal Beach Fauna of Central Puget Sound. Master's Thesis, University of Washington, Seattle, Washington, 92 pp.

Soil Conservation Service. 1968. Vegetative Tidal Bank Stabilization. College Park, Maryland: U.S. Department of Agriculture Soil Conservation Service.

Sommer, T.R., M.L. Nobriga, W.C. Harrell, W. Batham, and W.J. Kimmerer. 2001. Floodplain Rearing of Juvenile Chinook Salmon: Evidence of Enhanced Growth and Survival. Canadian Journal of Fisheries and Aquatic Sciences 58(2): 325-333.

Sommer, T.R., W.C. Harrell, and M.L. Nobriga. 2005. Habitat Use and Stranding Risk of Juvenile Chinook Salmon on a Seasonal Floodplain. North American Journal of Fisheries Management 25(4): 1493-1504.

Sotir, R.B. and J.C. Fischenich. 2001. Live and Inert Fascine Streambank Erosion Control. USACE Ecosystem Management and Restoration Research Program.

Soulsby, C., A. F. Youngson, H. J. Moir and I. A. Malcolm. 2001. Fine sediment influence on salmonid spawning habitat in a lowland agricultural stream: a preliminary assessment. The Science of the Total Environment. Volume 265, Issues 1-3, 29 January 2001, Pages 295-307.

Southard, S.L., R.M. Thom, G.D. Williams, J.D. Toft, C.W. May, G.A.M. Michael, J.A. Vucelick, J.T. Newell, and J.A. Southard. 2006. Impacts of Ferry Terminals on Juvenile Salmon Movement Along Puget Sound Shorelines. Prepared for Washington State Department of Transportation by Battelle Memorial Institute, Pacific Northwest Division, Richland, Washington.

- Spadaro, P.A., D.W. Templeton, G.L. Hartman, and T.S. Wang. 1993. Predicting Water-Quality During Dredging and Disposal of Contaminated Sediments from the Sitcum Waterway in Commencement Bay, Washington, USA. Water Science and Technology 28(8-9): 237-254.
- Spanhoff, B., W. Riss, P. Jakel, N. Dakkak, and E.I. Meyer. 2006. Effects of an Experimental Enrichment of Instream Habitat Heterogeneity on the Stream Bed Morphology and Chironomid Community of a Straightened Section in a Sandy Lowland Stream. Environmental Management 37(2): 247-257.
- Spence, B.C, G.A. Lomnicky, R.M. Hughes, and R.P. Novitzki. 1996. An Ecosystem Approach to Salmonid Conservation. TR-4501-96-6057. ManTech Environmental Research Services Corp., Corvallis, Oregon. (December 1996). http://www.nwr.noaa.gov/1habcon/habweb/habguide/ManTech/front.htm
- Speybroeck, J., D. Bonte, W. Courtens, T. Gheskiere, P. Grootaert, J.P. Maelfait, M. Mathys, S. Provoost, K. Sabbe, E.W.M. Stienen, V. Van Lancker, M. Vincx, and S. Degraer. 2006. Beach Nourishment: An Ecologically Sound Coastal Defense Alternative? A Review. Aquatic Conservation-Marine and Freshwater Ecosystems 16(4): 419-435.
- Sprague, J.B. 1964. Avoidance of Copper-Zinc Solutions by Young Salmon in the Laboratory. Journal of the Water Pollution Control Federation 36: 990-1004. (As cited in Stratus 2005b).
- Sprague, J.B. 1968. Avoidance reactions of rainbow trout to zinc sulfate solutions. Water Research 2:367-372. (As cited in Stratus 2005b).
- Sridhar, V., A.L. Sansone, J. LaMarche, T. Dubin, and D.P. Lettenmaier. 2004. Prediction of Stream Temperature in Forested Watersheds. Journal of the American Water Resources Association 40(1): 197-213.
- Stadler, J., NOAA Fisheries, Seattle, Washington. 2007. Email regarding NOAA Fisheries use of the Practical Spreading Loss model to estimate underwater noise intensity for the purpose of ESA consultation; sent to Eric Doyle of Herrera Environmental Consultants, Inc. Seattle, Washington, August 29, 2007.
- Stamp, M.L., and J.C. Schmidt. 2006. Predicting Channel Responses to Flow Diversions. Stream Notes: To Aid in Securing Favorable Conditions of Water Flows. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station.
- Stanford, J.A., and J.V. Ward. 1992. Management of Aquatic Resources in Large Catchments: Recognizing Interactions between Ecosystem Connectivity and Environmental Disturbance. In Watershed Management Balancing Sustainability and Environmental Change, edited by R.J. Naiman. New York: Springer-Verlag.
- Stanford, J.A., and J.V. Ward. 2001. Revisiting the Serial Discontinuity Concept. Regulated Rivers-Research & Management 17(4-5): 303-310.

- Stanford, J.A., J.V. Ward, W.J. Liss, C.A. Frissell, R.N. Williams, J.A. Lichatowich, and C.C. Coutant. 1996. A General Protocol for Restoration of Regulated Rivers. Regulated Rivers: Research & Management 12(4-5): 391-413.
- Stanley, D.R., and C.A. Wilson. 2004. Effect of Hypoxia on the Distribution of Fishes Associated with a Petroleum Platform Off Coastal Louisiana. North American Journal of Fisheries Management 24(2): 662-671.
- Stanley, E.H., and M.W. Doyle. 2002. A Geomorphic Perspective on Nutrient Retention Following Dam Removal. Bioscience 52(8): 693-701.
- Stanley, E.H., M.A. Luebke, M.W. Doyle, and D.W. Marshall. 2002. Short-Term Changes in Channel Form and Macroinvertebrate Communities Following Low-Head Dam Removal. Journal of the North American Benthological Society 21(1): 172-187.
- Starr, R.M., D.S. Fox, M.A. Hixon, B.N. Tissot, G.E. Johnson, and W.H. Barss. 1996. Comparison of Submersible-Survey and Hydroacoustic Survey Estimates of Fish Density on a Rocky Bank. Fishery Bulletin 94: 113-123.
- Stasse, H.L. and H.S. Rogers. 1965. 1958 cooperative crossote project. II Marine tests. Analysis of marine panels after exposure for one to four years. In Proceedings of the Annual Meeting of the American Wood-Preservers' Association 61:81-85. Cited in Stratus 2005a.
- Staurnes, M., F. Kroglund, and B.O. Rosseland. 1995. Water quality requirement of Atlantic salmon (Salmo salar) in water undergoing acidification or liming in Norway. Water Air and Soil Pollution 85: 347-352.
- Stehr, C.M., D.W. Brown, T. Hom, B.F. Anulacion, W.L. Reichert, and T.K. Collier. 2000. Exposure of Juvenile Chinook and Chum Salmon to Chemical Contaminants in the Hylebos Waterway of Commencement Bay, Tacoma, Washington. Journal of Aquatic Ecosystem Stress and Recovery 7: 215-227.
- Stein, D. and T.J. Hassler. 1989. Species profiles: Life histories and environmental requirements of coastal fishes and invertebrates (Pacific southwest): Brown rockfish, copper rockfish, and black rockfish. U.S. Fish Wildlife Service, Biological Report No. 82 (11.113): 15pp. Cited in NRC 2001.
- Stein, J.E., T. Hom, T.K. Collier, D.W. Brown, and U. Varanasi. 1995. Contaminant Exposure and Biochemical Effects in Outmigrant Juvenile Chinook Salmon from Urban and Nonurban Estuaries of Puget-Sound, Washington. Environmental Toxicology and Chemistry 14(6): 1019-1029.
- Stein, J.N. 1970. A study of the largemouth bass population in Lake Washington. Masters thesis. University of Washington, College of Fisheries, Seattle. Cited in Carrasquero 2001.

Stevens, D.E., D.W. Kohlhorst, L.W. Miller, and D.W. Kelley. 1985. The Decline of Striped Bass in the Sacramento-San Joaquin Estuary, California. Transactions of the American Fisheries Society 114(1): 12-30.

Stevens, P.W., C.L. Montague, and K.J. Sulak. 2006. Fate of Fish Production in a Seasonally Flooded Saltmarsh. Marine Ecology-Progress Series 327: 267-277.

Stewart, T.L., and J.F. Martin. 2005. Energy Model to Predict Suspended Load Deposition Induced by Woody Debris: Case Study. Journal of Hydraulic Engineering-American Society of Civil Engineers 131(11): 1011-1016.

Stock, J.D., D.R. Montgomery, B.D. Collins, W.E. Dietrich, and L. Sklar. 2005. Field Measurements of Incision Rates Following Bedrock Exposure: Implications for Process Controls on the Long Profiles of Valleys Cut by Rivers and Debris Flows. Geological Society of America Bulletin 117(1): 174-194.

Stocker, M. 2002. Fish Mollusks and other Sea Animals, and the Impact of Anthropogenic Noise in the Marine Acoustical Environment. Prepared for Earth Island Institute by Michael Stocker Associates. Cited in WSDOT 2006a.

Stone, J., and S. Barndt. 2005. Spatial Distribution and Habitat Use of Pacific Lamprey (Lampetra Tridentata) Ammocoetes in a Western Washington Stream. Journal of Freshwater Ecology 20(1): 171-185.

Storry, K.A., C.K. Weldrick, M. Mews, M. Zimmer, and D.E. Jelinski. 2006. Intertidal coarse woody debris: A spatial subsidy as shelter or feeding habitat for gastropods? Estuarine Coastal and Shelf Science 66(1-2): 197-203.

Stratus (Stratus Consulting Inc., Duke University). 2005a. Creosote-Treated Wood in Aquatic Environments: Technical Review and Use Recommendations. Prepared for the National Oceanic and Atmospheric Administration's National Marine Fisheries Service.

Stratus (Stratus Consulting Inc.). 2005b. Treated Wood in Aquatic Environments: Technical Review and Use Recommendations. Prepared for NOAA Fisheries Habitat Conservation Division Southwest Habitat Conservation Division, Joe Dillon, by Stratus Consulting, Santa Rosa, California.

Streamnet Database. 2007. Available at: www.streanet.org/online-data/query-intro.html.

Strickland, J.D. 1958. Solar Radiation Penetrating the Ocean. A Review of Requirements, Data, and Methods of Measurement with Particular Reference to Photosynthetic Productivity. Fisheries Research Board of Canada 15: 453-493.

Sturm, T.W. 2004. Enhanced Abutment Scour Studies for Compound Channels. Report No. FHWA-RD-99-156, Office of Infrastructure Research and Development, Federal Highway Administration, McLean, VA.

Sudduth, E.B., and J.L. Meyer. 2006. Effects of Bioengineered Streambank Stabilization on Bank Habitat and Macroinvertebrates in Urban Streams. Environmental Management 38(2): 218-226.

Sukhodolov, A., C. Engelhardt, A. Kruger, and H. Bungartz. 2004. Case study: Turbulent flow and sediment distributions in a groyne field. Journal of Hydraulic Engineering-American Society of Civil Engineers 130(1): 1-9.

Sullivan, K., D.J. Martin, R.D. Cardwell, J.E. Toll, and S. Duke. 2000. An Analysis of the Effects of Temperature on Salmonids of the Pacific Northwest with Implications for Selecting Temperature Criteria. Portland, Oregon: Sustainable Ecosystems Institute.

Sullivan, K., J. Tooley, K. Doughty, J.E. Caldwell, and P. Knudsen. 1990. Evaluation of Prediction Models and Characterization of Stream Temperature Regimes in Washington. TFW-WQ3-90-006. Olympia, Washington: Washington Department of Natural Resources.

Sumer, B.M., J. Fredsoe, A. Lamberti, B. Zanuttigh, M. Dixen, K. Gislason, and A.F. Di Penta. 2005. Local scour at roundhead and along the trunk of low crested structures. Coastal Engineering 52(10-11): 995-1025.

Sumida, B.Y. and H.G. Moser. 1984. Food and feeding of Bocaccio and comparison with Pacific hake larvae in the California current. California Cooperative Oceanic Fisheries Investigations Report 25:112-118. Cited in NRC 2001.

Suren, A.M., and S. McMurtrie. 2005. Assessing the Effectiveness of Enhancement Activities in Urban Streams: II. Responses of Invertebrate Communities. River Research and Applications 21(4): 439-453.

Sutherland, A., and D. Ogle. 1975. Effect of Jet Boats on Salmon Eggs. New Zealand Journal of Marine and Freshwater Research 9(3): 273-282.

Suttle, K.B., M.E. Power, J.M. Levine, and C. McNeely. 2004. How Fine Sediment in Riverbeds Impairs Growth and Survival of Juvenile Salmonids. Ecological Applications 14(4): 969-974.

Swales, S., and C.D. Levings. 1989. Role of Off-Channel Ponds in the Life-Cycle of Coho Salmon (Oncorhynchus-Kisutch) and Other Juvenile Salmonids in the Coldwater River, British-Columbia. Canadian Journal of Fisheries and Aquatic Sciences 46(2): 232-242.

Swanson, C., P.S. Young, and J.J. Cech. 2005. Close Encounters with a Fish Screen: Integrating Physiological and Behavioral Results to Protect Endangered Species in Exploited Ecosystems. Transactions of the American Fisheries Society 134(5): 1111-1123.

Swanston, D.N. 1991. Natural processes. Pp. 83-138 in W.R. Meehan (ed.), Influences of Forest and Rangeland Management on Salmonid Fishes and Their Habitats. Bethesda, Maryland: American Fisheries Society Special Publication 19.

- Swartz, R.C. 1989. Acute Toxicity of Sediment from Eagle Harbor Washington, to the Infaunal Amphipod Rhepolxynius Abronius. Environmental Toxicology and Chemistry 8: 215-222.
- Swartz, R.C., P.F. Kemp, D.W. Schults, G.R. Ditsworth, and R.J. Ozretich. 1989. Acute Toxicity of Sediment from Eagle Harbor, Washington, to the Infaunal Amphipod Rhepoxynius abronius. Environmental Toxicology and Chemistry 8(3): 215-222.
- Sweeney, B.W., T.L. Bott, J.K. Jackson, L.A. Kaplan, J.D. Newbold, L.J. Standley, W.C. Hession, and R.J. Horwitz. 2004. Riparian Deforestation, Stream Narrowing, and Loss of Stream Ecosystem Services. Proceedings of the National Academy of Sciences of the United States of America 101(39): 14132-14137.
- Sweka, J., and K. Hartman. 2006. Effects of Large Woody Debris Addition on Stream Habitat and Brook Trout Populations in Appalachian Streams. Hydrobiologia 559(1): 363-378.
- Tabor, R. U.S. Fish and Wildlife Service. Personal communication, telephone conversation with Tom Kahler (The Watershed Company), 9 June 2000, and 11 July 2000. Cited in Kahler et al. 2000.
- Tabor, R., F. Mejia, and D. Low. 2000. Predation of juvenile salmon by littoral fishes in the Lake Washington–Lake Union ship canal, preliminary results. Prepared for presentation at the American Fisheries Society, North Pacific International Chapter. 2000 conference, April 10–12, 2000, Mount Vernon, Washington. Cited in Carrasquero 2001.
- Tabor, R., G. Brown, A. Hird, and S. Hager. 2001. The Effect of Light Intensity on Predation of Sockeye Salmon Fry by Cottids in the Cedar River. Lacey, Washington: U.S. Fish and Wildlife Service, Western Washington Office, Fisheries and Watershed Assessment Division.
- Tabor, R.A., G. Brown, and V.T. Luiting. 1998. The effect of light intensity on predation of sockeye salmon fry by prickly sculpin and torrent sculpin. Lacey, Washington: U.S. Fish and Wildlife Service Western Washington Office, Aquatic Resources Division.
- Tabor, R.A., H.A. Gearns, C.M. McCoy III, and S. Camacho. 2006. Nearshore Habitat Use by Juvenile Chinook Salmon in Lentic Systems, 2003 and 2004 report. United States Fish and Wildlife Service, Lacey, WA.
- Tabor, R.A., J.A. Scheurer, H.A Gearns, and E.P. Bixler. 2004. Nearshore habitat use by juvenile Chinook salmon in lentic systems of the Lake Washington Basin. Annual Report, 2002, to Seattle Public Utilities, Seattle, Washington. 58 p.
- Tabor, R.A., M.T. Celedonia, F. Mejia, R.M. Piaskowski, D. Low, and L. Park. 2004. Predation of Juvenile Chinook Salmon by Predatory Fishes in Three Areas of the Lake Washington Basin. Lacey, Washington: U.S. Fish and Wildlife Service.

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. 1993. Cited in Carrasquero 2001.

Taft, E.P., Ill, and Y.G. Mussalli. 1978. Fish Diversion and Transportation System for Power Plant Application. Fisheries 3(3): 2-5.

Takami, T., F. Kitano, and S. Nakano. 1997. High Water Temperature Influences on Foraging Responses and Thermal Deaths of Dolly Varden Salvelinus malma and White-Spotted Char S. leucomaenis in a Laboratory. Fisheries Science 63(1): 6-8.

Tanner, C.D., J.R. Cordell, J. Rubey, and L.M. Tear. 2002. Restoration of Freshwater Intertidal Habitat Functions at Spencer Island, Everett, Washington. Restoration Ecology 10(3): 564-576.

Tarela, P.A., and A.N. Menendez. 2002. Numerical Simulation of the Wave Pattern within a Harbor Due to Ship Waves. International Journal of Computational Fluid Dynamics 16(4): 315-325.

Taylor, W. S. and W.S. Wiley. 1997. Port of Seattle Fish Mitigation Study: Pier 64/65 Short-Stay Moorage Facility: Qualitative Fish and Avian Predator Observations., Seattle, WA. Cited in Nightingale and Simenstad 2001b.

Teachout, E., Fish and Wildlife Biologist with U.S. Fish and Wildlife Service, Lacey, Washington. 2007. Email regarding USFWS use of the Practical Spreading Loss model to estimate underwater noise intensity for the purpose of ESA consultation; sent to Julie Hampden of Herrera Environmental Consultants, Inc. Seattle, Washington, August 29, 2007.

Teels, B.M., C.A. Rewa, and J. Myers. 2006. Aquatic Condition Response to Riparian Buffer Establishment. Wildlife Society Bulletin 34(4): 927-935.

Tenera Environmental. 2005. Draft - Carlsbad Desalination Facility Intake Effects Assessment. Prepared for Poseidon Resources Corporation by Tenera Environmental, Lafayette, California.

Teodoru, C., and B. Wehrli. 2005. Retention of Sediments and Nutrients in the Iron Gate I Reservoir on the Danube River. Biogeochemistry 76(3): 539-565.

Terich, T.A. 1987. Living with the Shore of Puget Sound and the Georgia Strait. Living with the Shore. Edited by O.H. Pilkey and W.J. Neal. Durham, North Carolina: Duke University Press.

Terich, T.A., and M.L. Schwartz. 1990. The Effects of Seawalls and Other Hard Erosion Protection Structures Upon Beaches: An Annotated Bibliography and Summary. Washington State Shorelands and Coastal Zone Management Program.

Terrados, J., C.M. Duarte, M.D. Fortes, J. Borum, N.S.R. Agawin, S. Bach, U. Thampanya, L. Kamp-Nielsen, W.J. Kenworthy, O. Geertz-Hansen, and J. Vermaat. 1998. Changes in

Community Structure and Biomass of Seagrass Communities Along Gradients of Siltation in SE Asia. Estuarine Coastal and Shelf Science 46(5): 757-768.

Thayer, G. W., W.J. Kenworthy, and M.S. Fonseca. 1984. The Ecology of Eelgrass Meadows of the Atlantic Coast: A Community Profile, FWS/OBSO-84/02. U.S. Fish and Wildlife Service, Washington D.C. Cited in Nightingale and Simenstad 2001b.

The Watershed Company. 2006. Shoreline Analysis Report. Kirkland, Washington: City of Kirkland.

Theurer, F.D., K.A. Voos, and W.J. Miller. 1984. Instream Water Temperature Model. Instream Flow Informational Paper 16 FWS/OBS-84/15. U.S. Fish and Wildlife Service.

Thom, R. M., and D.K. Shreffler. 1996. Eelgrass Meadows Near Ferry Terminals in Puget Sound. Characterization of Assemblages and Mitigation Impacts. Battelle Pacific Northwest Laboratories, Sequim, WA. Cited in Nightingale and Simenstad 2001b.

Thom, R. M., D. K. Shreffler, and J. Schafer. 1995. Mitigation plan for impacts to subtidal vegetation associated with reconstruction and expansion of the ferry terminal at Clinton, Whidbey Island, Washington. PNL-10844. Prepared for the Washington State Department of Transportation. Battelle, Pacific Northwest Division of Battelle Memorial Institute, Sequim, WA. 25pp. Cited in Haas et al. 2002.

Thom, R., C.A. Simenstad, J.R. Cordell, and E.O. Salo. 1988. Fisheries Mitigation Plan for Expansion of Moorage at Blaine Marina. Fishery Resource Institute, University of Washington.

Thom, R.M. 1990. A Review of Eelgrass (Zostera marina L) Transplanting Projects in the Pacific-Northwest. Northwest Environmental Journal 6(1): 121-137.

Thom, R.M. and D.K. Shreffler. 1994. The Ecological Consequences of Accelerated Sedimentation on Estuarine Processes, Estuarine Organisms, the Gain and Loss of Certain Habitats. PNWD-SA-4202A. Presented at the Forum on Impacts of Erosion and Sedimentation in the Tillamook Bay and its Watershed, sponsored by the Tillamook Bay National Estuary Project, January 12, 1995, Garibaldi, Oregon.

Thom, R.M., A.B. Borde, P.J. Farley, M.C. Horn and A. Ogston. 1996. Passenger-Only Ferry Propeller Wash Study: Threshold Velocity Determinations and Field Study, Vashon Terminal. Battelle Marine Sciences Laboratory Report to WSDOT. PNWD-2376/UC- 000. 15+pp. Cited in Simenstad et al. 1999, in Nightingale and Simenstad 2001b.

Thom, R.M., Bourne, A.B. Borde, G.D. Williams, J.A. Southard, S.L. Blanto, D.L. Woodruff. 2001. Effects of Environmental Stressors on Eelgrass Restoration Projects. Puget Sound Research. '01. Conference Proceedings. Available: http://www.psat.wa.gov/Publications/01_proceedings/sessions/oral/7b_thom.pdf (Accessed 2006.10 02).

Thom, R.M., C.A. Simenstad, J.R. Cordell, and E.O. Salo. 1989. Fish and Their Epibenthic Prey in a Marina and Adjacent Mudflats and Eelgrass Meadow in a Small Estuarine Bay. Seattle, Washington: University of Washington.

Thom, R.M., D.K. Shreffler, and K. Macdonald. 1994. Shoreline Armoring Effects on Coastal Ecology and Biological Resources in Puget Sound, Washington. Report 94-80. Shorelands and Environmental Assistance Program, Washington Department of Ecology. Cited in Nightingale and Simenstad 2001b.

Thom, R.M., G. Williams, A. Borde, J. Southard, S. Sargeant, D. Woodruff, J.C. Laufle, and S. Glasoe. 2005. Adaptively Addressing Uncertainty in Estuarine and near Coastal Restoration Projects. Journal of Coastal Research: 94-108.

Thom, R.M., L.D. Antrim, A.B. Borde, W.W. Gardiner, D.K. Shreffler, P.G. Farley, J.G. Norris, S. Wyllie-Echeverria, and T.P. McKenzie. 1998. 1997 Puget Sound's Eelgrass Meadows: Factors Contributing to Depth Distribution and Spatial Patchiness. Puget Sound Research '98, Conference Proceedings. Available at:

http://www.psat.wa.gov/Publications/98_proceedings/pdfs/2c_thom.pdf (Accessed 2006.09.29). Cited in Nightingale and Simenstad 2001b.

Thom, R.M., R. Zeigler, and A.B. Borde. 2002. Floristic Development Patterns in a Restored Elk River Estuarine Marsh, Grays Harbor, Washington. Restoration Ecology 10(3): 487-496.

Thomalla, F., and C.E. Vincent. 2003. Beach Response to Shore-Parallel Breakwaters at Sea Palling, Norfolk, UK. Estuarine Coastal and Shelf Science 56(2): 203-212.

Thompson, D.M. 2002. Long-Term Effect of Instream Habitat-Improvement Structures on Channel Morphology Along the Blackledge and Salmon Rivers, Connecticut, USA. Environmental Management 29(2): 250-265.

Thompson, D.S. 1995. Substrate additive studies for the development of hardshell clam habitat in waters of Puget Sound in Washington State: an analysis of effects on recruitment, growth, and survival of the Manila clam, Tapes phillipinarum, and on the species diversity and abundance of existing benthic organisms. Estuaries 18(1A):91-107.

Thompson, G.G. 1991. Determining Minimum Viable Populations under the Endangered Species Act. National Oceanographic and Atmospheric Administration, National Marine Fisheries Service.

Thompson, K.G., E.P. Bergersen, R.B. Nehring, and D.C. Bowden. 1997. Long-Term Effects of Electrofishing on Growth and Body Condition of Brown and Rainbow Trout. North American Journal of Fisheries Management 17: 154-159.

Thoms, M.C. 2003. Floodplain-River Ecosystems: Lateral Connections and the Implications of Human Interference. Geomorphology 56(3-4): 335-349.

Thomson Scientific Web of Science. 2007. Available at: http://scientific.thomson.com/products/wos/ (accessed May–July 2007).

Thomson, J.R., D.D. Hart, D.F. Charles, T.L. Nightengale, and D.M. Winter. 2005. Effects of Removal of a Small Dam on Downstream Macroinvertebrate and Algal Assemblages in a Pennsylvania Stream. Journal of the North American Benthological Society 24(1): 192-207.

Thorkilsen, M., and C. Dynesen. 2001. An Owner's View of Hydroinformatics: Its Role in Realising the Bridge and Tunnel Connection between Denmark and Sweden. Journal of Hydroinformatics 3(2): 105-135.

Tiemann, J.S., D.P. Gillette, M.L. Wildhaber, and D.R. Edds. 2004. Effects of Lowhead Dams on Riffle-Dwelling Fishes and Macroinvertebrates in a Midwestern River. Transactions of the American Fisheries Society 133(3): 705-717.

Tiemann, J.S., H.R. Dodd, N. Owens, and D.H. Wahl. 2007. Effects of Lowhead Dams on Unionids in the Fox River, Illinois. Northeastern Naturalist 14(1): 125-138.

Tikkanen, P., P. Laasonen, T. Muotka, A. Huhta, and K. Kuusela. 1994. Short-Term Recovery of Benthos Following Disturbance from Stream Habitat Rehabilitation. Hydrobiologia 273(2): 121-130.

Tockner, K., D. Pennetzdorfer, N. Reiner, F. Schiemer, and J.V. Ward. 1999. Hydrological Connectivity, and the Exchange of Organic Matter and Nutrients in a Dynamic River-Floodplain System (Danube, Austria). Freshwater Biology 41(3): 521-535.

Toft, J., C. Simenstad, J. Cordell, and L. Stamatiou. 2004. Fish Distribution, Abundance, and Behavior at Nearshore Habitats along City of Seattle Marine Shorelines, with an Emphasis on Juvenile Salmonids. SAFS-UW-0401. Wetland Ecosystem Team, School of Aquatic and Fishery Sciences, University of Washington, Seattle, WA. Prepared for Seattle Public Utilities, City of Seattle, WA.

Toft, J., C. Simenstad, J. Cordell, and L. Stamatiou. 2007. Fish Distribution, Abundance, and Behavior along City Shoreline Types in Puget Sound. North American Journal of Fisheries Management 27: 465-480.

Toft, J.D. and J. Cordell. 2006. Olympic Sculpture Park: results from pre-construction biological monitoring of shoreline habitats. Technical Report SAFS-UW-0601, School of Aquatic and Fishery Sciences, University of Washington. Prepared for Seattle Public Utilities, City of Seattle. 36 pp.

Tonina, D. and J.M. Buffington. 2003. Effects of Discharge on Hyporheic Flow in a Pool-Riffle Channel: Implications for Aquatic Habitat. Eos, Transactions, American Geophysical Union 84 (46), Fall Meeting Supplement, Abstract H52A-1154.

Tonina, D. and J.M. Buffington. 2005. Biogeomorphology: Effects of Salmon Redds on River Hydraulics and Hyporheic Flow in Gravel-Bed Rivers. Eos, Transactions, American Geophysical Union 86(52), Fall Meet Supplement, Abstract H53D-0493.

Tonina, D. and J.M. Buffington. 2007. Hyporheic Exchange in Gravel Bed Rivers with Pool-Riffle Morphology: Laboratory Experiments and Three-Dimensional Modeling. Water Resources Research 43(1): 1-16.

Tops, S., W. Lockwood, and B. Okamura. 2006. Temperature-Driven Proliferation of Tetracapsuloides Bryosalmonae in Bryozoan Hosts Portends Salmonid Declines. Diseases of Aquatic Organisms 70(3): 227-236.

Travnichek, V.H., A.V. Zale, and W.L. Fisher. 1993. Entrainment of Lchthyoplankton by a Warmwater Hydroelectric Facility. Transactions of the American Fisheries Society 122(5): 709-716.

Travnichek, V.H., M.B. Bain, and M.J. Maceina. 1995. Recovery of a Warmwater Fish Assemblage after the Initiation of a Minimum Flow-Release Downstream from a Hydroelectric Dam. Transactions of the American Fisheries Society 124: 836-844.

Tribble, S.C. 2000. Sensory and Feeding Ecology of Larval and Juvenile Pacific Sand Lance, Ammodytes hexapterus. Master's Thesis, University of Washington.

Triska, F.J., V.C. Kennedy, R.J. Avanzino, G.W. Zellweger, and K.E. Bencala. 1989. Retention and Transport of Nutrients in a 3rd-Order Stream in Northwestern California - Hyporheic Processes. Ecology 70: 1893-1905.

Tucker, J. and C. Theiling. 1998. Freshwater mussels. Chapter 11 in USGS: Ecological Status and Trends of the Upper Mississippi River System. Available at http://www.umesc.usgs.gov/reports_publications/status_and_trends.html (Accessed 2006.10.04).

Turnpenny, A.W.H., K.P. Thatcher, and J.R. Nedwell. 1994. The Effects on Fish and Other Marine Animals of High-Level Underwater Sound. Report FRR 127/94. Prepared for UK Defense Research Agency by Fawley Aquatic Research.

Tyack, P.L. and C.W. Clark. Communication and acoustic behavior of dolphins and whales. In: Au, W.W.L., A.N. Popper, and R.R. Fay (eds.), Hearing by whales and dolphins. New York, Springer, 2000, pp. 156-224. Book.

Urban, E.R., and C.J. Langdon. 1984. Reduction in Costs of Diets for the American Oyster, Crassostrea-Virginica (Gmelin), by the Use of Non-Algal Supplements. Aquaculture 38(4): 277-291.

Urban, E.R., and D.L. Kirchman. 1992. Effect of Kaolinite Clay on the Feeding-Activity of the Eastern Oyster Crassostrea-Virginica (Gmelin). Journal of Experimental Marine Biology and Ecology 160(1): 47-60.

- Urick, R.J. 1983. Principles of Underwater Sound. Ch. 7 In The Noise Background of the Sea, Los Altos, California: Peninsula Publishing.
- USACE (U.S. Army Corps of Engineers). 1983. Engineering and Design Dredging and Dredged Material Disposal. U.S. Army Corps of Engineers. Washington, DC: CECW-EH-D.
- USACE (U.S. Army Corps of Engineers). 1991a. Dredging Research Technical Notes: Design Requirements for Capping. DRP-5-03. Vicksburg, Mississippi: U.S. Army Corps of Engineers Waterways Experiment Station.
- USACE (U.S. Army Corps of Engineers). 1991b. Dredging Research Technical Notes: Equipment and Placement Techniques for Capping. DRP-5-05. Vicksburg, Mississippi: U.S. Army Corps of Engineers Waterways Experiment Station.
- USACE (U.S. Army Corps of Engineers). 1991c. Dredging Research Technical Notes: Site Selection Considerations for Capping. DRP-5-04. Vicksburg, Mississippi: U.S. Army Corps of Engineers Waterways Experiment Station.
- USACE (U.S. Army Corps of Engineers). 2002. Decision Document for Nationwide Permit 13: Bank Stabilization. Available at: http://www.usace.army.mil/cw/cecwo/reg/nw2002dd/NW_13_2002.pdf
- USACE (U.S. Army Corps of Engineers). 2005. Department of the Army Regional General Permit 4: Piling, Floats, Ramps, Piers, Minor Fills, and Bank Stabilization in the Pend Oreille River and Leke Chelan, in the State of Washington. Permit Number: CENWS-OD-RG-RGP4.
- USACE (U.S. Army Corps of Engineers). 2005. Regional General Permit No. 6. Maintenance, Modification and Construction of Residential Overwater Structures in Inland Marine Waters of Within the State of Washington. Regulatory, Seattle District. 48 p.
- USACE (U.S. Army Corps of Engineers). 2005. Silt Curtains as a Dredging Project Management Practice. Washington, DC: U.S. Army Corps of Engineers, Engineer Research and Development Center.
- USACE (U.S. Army Corps of Engineers). 2007. Dredging Operations and Environmental Research Program. March 2007. Available at U.S. Army Corps of Engineers website, URL = http://el.erdc.usace.army.mil/dots/doer/ (accessed September 3, 2007).
- USA-Today. 2007. Tire Reef Off Florida Proves a Disaster. 2/17/2007. Available at: http://www.usatoday.com/news/nation/2007-02-17-florida-reef_x.htm (accessed July 16, 2007, 2007).
- USEPA (U.S. Environmental Protection Agency). 1985. Freshwater Wetlands for Wastewater Management: Environmental Assessment Handbook. U. S. EPA 904/9-85-135. Atlanta, Georgia: U.S. Environmental Protection Agency, Region 4.

- USEPA (U.S. Environmental Protection Agency). 1996. Calculation and Evaluation of Sediment Effect Concentrations for the Amphipod Hyalella azteca and the Midge Chironomus riparius. Assessment and Remediation of Contaminated Sediments (ARCS) Program. EPA 905-R96-008. U.S. Environmental Protection Agency, Washington, DC. Cited in Stratus 2005b.
- USEPA (U.S. Environmental Protection Agency). 1999. EPA Guidance Manual Turbidity Provisions. Available at http://www.epa.gov/safewater/mdpd/pdf/turbidity/chap_o7.pdf (Accessed 2006.10.04).
- USEPA (U.S. Environmental Protection Agency). 2001. National Management Measures Guidance to Control Nonpoint Source Pollution from Marinas and Recreational Boating. EPA 841-B-01-005. Washington, DC: U.S. Environmental Protection Agency, Office of Water.
- USEPA (U.S. Environmental Protection Agency). 2002. National Recommended Water Quality Criteria: 2002. EPA 822-R-02-047. U.S. Environmental Protection Agency, Washington, DC. November. Cited in Stratus 2005b.
- USEPA (U.S. Environmental Protection Agency). 2003. EPA Region 10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards. EPA 910-B-03-002. Region 10 Office of Water, Seattle, WA.
- USEPA (U.S. Environmental Protection Agency). 2007. National Management Measures to Control Nonpoint Source Pollution from Hydromodification. EPA 841-B-07-002. Washington, DC: U.S. Environmental Protection Agency, Office of Water.
- USFS (U.S. Forest Service). 2007. Fish Resources. U.S. Forest Service website. Available at: http://www.fs.fed.us/r6/fishing/forests/fishresources/win_coldwater.html#redband.
- USFS, NMFS, USBLM, USFWS, USNPS, and USEPA. 1993. Forest Ecosystem Management: An Ecological, Economic, and Social Assessment. Report of the Forest Ecosystem Management Assessment Team: U.S. Forest Service, National Marine Fisheries Service, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, National Park Service, and U.S. Environmental Protection Agency. Portland, Oregon: U.S. Forest Service, Pacific Northwest Region.
- USFWS (U.S. Fish and Wildlife Service). 1986. Species Profiles: Life Histories and Environmental Requirements of Coastal Fishes and Invertebrates (Pacific Northwest) Steelhead Trout. Biological Report 82 (11.82). TR EL-82-4. Lafayette, Louisiana. US Fish and Wildlife Service, Coastal Ecology Group.
- USFWS (U.S. Fish and Wildlife Service). 2000. Impacts of riprapping to ecosystem functioning, Lower Sacramento River, California. Prepared for U.S. Army Corps of Engineers by U.S. Fish and Wildlife Service, Sacramento, California. June 2000.
- USFWS (U.S. Fish and Wildlife Service). 2000. Impacts of riprapping to ecosystem functioning, Lower Sacramento River, California. Prepared for: U.S. Army Corps of Engineers, Sacramento District. Prepared by USFWS Sacramento Office. June 2000.

USFWS (U.S. Fish and Wildlife Service). 1998. A Framework to Assist in Making Endangered Species Act Determinations of Effect for Individual or Grouped Actions at the Bull Trout Subpopulation Watershed Scale. DRAFT. February.

USFWS (U.S.Fish and Wildlife Service). 2002. Draft Fish and Wildlife Coordination Act Report: Bogue Banks Shore Protection Project, Carteret County, NC. Raleigh, North Carolina: Raleigh Ecological Services Field Office, U.S. Fish and Wildlife Service.

USGS (US Geological Survey). 1997. Washington's Wetland Resources. October 14, 1997. Available at U.S. Geological Survey website: http://wa.water.usgs.gov/pubs/misc/wetlands/(accessed July 5, 2007).

Utter, F. 2001. Patterns of Subspecific Anthropogenic Introgression in Two Salmonid Genera. Reviews in Fish Biology and Fisheries 10(3): 265-279.

Vagle, S. 2003. On the Impact of Underwater Pile Driving Noise on Marine Life. Government Report. Canada Department of Fisheries and Oceans, Institute of Ocean Sciences, Ocean Science and Productivity Division.

Valett, H.M., C.L. Crenshaw, and P.F. Wagner. 2002. Stream Nutrient Uptake, Forest Succession, and Biogeochemical Theory. Ecology 83(10): 2888-2901.

Valett, H.M., M.A. Baker, J.A. Morrice, C.S. Crawford, M.C. Molles, C.N. Dahm, D.L. Moyer, J.R. Thibault, and L.M. Ellis. 2005. Biogeochemical and Metabolic Responses to the Flood Pulse in a Semiarid Floodplain. Ecology 86(1): 220-234.

Vallania, A., and M.D. Corigliano. 2007. The Effect of Regulation Caused by a Dam on the Distribution of the Functional Feeding Groups of the Benthos in the Sub Basin of the Grande River (San Luis, Argentina). Environmental Monitoring and Assessment 124(1-3): 201-209.

Valovirta, I. 1990. Conservation of Margaritifera margaritifera in Finland. Council of Europe Environmental Encounters Series 10:59-63. Cited in Watters et al. 1999.

Van Eenennaam, J.P., J. Linares-Casenave, X. Deng, and S.I. Doroshov. 2005. Effect of Incubation Temperature on Green Sturgeon Embryos, Acipenser medirostris. Environmental Biology of Fishes 72(2): 145-154.

Vandenavyle, M.J., and M.A. Maynard. 1994. Effects of Saltwater Intrusion and Flow Diversion on Reproductive Success of Striped Bass in the Savanna River Estuary. Transactions of the American Fisheries Society 123(6): 886-903.

Vannote, R.L., and G.W. Minshall. 1982. Fluvial Processes and Local Lithology Controlling Abundance, Structure, and Composition of Mussel Beds. Proceedings of the National Academy of Science 79: 4103-4107.

Vannote, R.L., G.W. Minshall, K.W. Cummins, J.R. Sedell, and C.E. Cushing. 1980. The River Continuum Concept. Canadian Journal of Fisheries and Aquatic Science 37: 130-137.

Varanasi, U., E. Casillas, M.R. Arkoosh, T. Hom, D.A. Misitano, D.W. Brown, S.-L. Chan, T.K. Collier, B.B. McCain, and J.E. Stein. 1993. Contaminant Exposure and Associated Biological Effects in Juvenile Chinook Salmon (Oncorhynchus Tshawytscha) from Urban and Nonurban Estuaries of Puget Sound. NOAA Technical Memorandum NMFS-NWFSC-8. Seattle, Washington: National Oceanographic and Atmospheric Administration.

Varanasi, U., J.E. Stein, W.L. Reichert, K.L. Tilbuery, M.M. Krahn, and S.-L. Chan. 1992. Chlorinated and Aromatic Hydrocarbons in Bottom Sediments, Fish and Marine Mammals in U.S. Coastal Waters. Laboratory and Field Studies of Metabolism and Accumulation. In Persistent Pollutants in the Marine Environment, edited by C. Walter and D.R. Livingstone. New York, New York: Permagon Press.

Vaudo, J.J., and C.G. Lowe. 2006. Movement Patterns of the Round Stingray Urobatis Halleri (Cooper) near a Thermal Outfall. Journal of Fish Biology 68(6): 1756-1766.

Vaughan, D.M. 2002. Potential Impacts of Road-Stream Crossings (Culverts) on the Upstream Passage of Aquatic Macroinvertebrates. Portland, Oregon: The Xerces Society.

Vaughn, C.C., and C.M. Taylor. 1999. Impoundments and the Decline of Freshwater Mussels: A Case Study of an Extinction Gradient. Conservation Biology 13(4): 912-920.

Vellidis, G., R. Lowrance, P. Gay, and R.K. Hubbard. 2003. Nutrient Transport in a Restored Riparian Wetland. Journal of Environmental Quality 32(2): 711-726.

Vile, J.S., T.A. Friesen, and M.J. Reesman. 2004. Diets of juvenile salmonids and introduced fishes of the Lower Willamette River. In: T.S. Friesen (ed.), Biology, Behavior, and Resources of Resident and Anadromous Fish in the Lower Willamette River. Final Report of Research, 2000-2004. Oregon Department of Fish and Wildlife.

Vines, C.A., T. Robbins, F.J. Griffin, and G.N. Cherr. 2000. The Effects of Diffusible Creosote-Derived Compounds on Development in Pacific Herring (Clupea pallasi). Aquatic Toxicology 51: 225-239. Cited in Stratus 2005a.

Vinyard, G.L., and J. O'Brien. 1976. Effects of light and turbidity on the reactive distance of bluegill (Lepomis macrochirus). Journal of the Fisheries Research Board of Canada 33: 2845–2849.

Visconty, S.D. 1997. Modeling the Shade Cast by Overwater Structures: A Technical Approach to Eelgrass Preservation. Master's Thesis, University of Washington, Seattle, Washington.

Vogel, J.L., and D.A. Beauchamp. 1999. Effects of Light, Prey Size, and Turbidity on Reaction Distances of Lake Trout (Salvelinus Namaycush) to Salmonid Prey. Canadian Journal of Fisheries and Aquatic Sciences 56(7): 1293-1297.

Vucelick, J.A., and G.A. McMichael. 2003. Walla Walla River Basin Fish Screen Evaluations, 2003 Nursery Bridge Fishway and Garden City/Lowden II. Pacific Northwest National Laboratory.

Vucelick, J.A., G.A. McMichael, and M.A. Chamness. 2004. Yakima River Basin Phase II Fish Screen Evaluations, 2003. Prepared for Bonneville Power Administration by Pacific Northwest National Laboratory, PNNL-14627.

WAC 173-201A. November 20, 2006. Water Quality Standards for Surface Waters of the State of Washington. Washington Administrative Code.

Wagner, C.M., and H.M. Austin. 1999. Correspondence between Environmental Gradients and Summer Littoral Fish Assemblages in Low Salinity Reaches of the Chesapeake Bay, USA. Marine Ecology-Progress Series 177: 197-212.

Wagner, E.J., R.E. Arndt, and M. Brough. 2001. Comparative Tolerance of Four Stocks of Cutthroat Trout to Extremes in Temperature, Salinity, and Hypoxia. Western North American Naturalist 61(4): 434-444.

Wagner, E.J., T. Bosakowski, and S. Intelmann. 1997. Combined Effects of Temperature and High pH on Mortality and the Stress Response of Rainbow Trout after Stocking. Transactions of the American Fisheries Society 126(6): 985-998.

Wahl, T.L. 1995. Hydraulic Testing of Static Self-Cleaning Inclined Screens. The First International Conference on Water Resources Engineering, San Antonio, Texas, pp. 14-18.

Wahl, T.L. 2003. Design Guidance for Coanda-Effect Screens. Report. Water Resources Research Laboratory. U. S. Bureau of Reclamation. R-Series(3): 37.

Wahl, T.L., and R.F. Einhellig. 2000. Laboratory Testing and Numerical Modeling of Coanda-Effect Screens. Building Partnerships- 2000 Joint Conference on Water Resource Engineering and Water Resources Planning & Management.

Waite, M.E., M.J. Waldock, J.E. Thain, D.J. Smith, and S.M. Milton. 1991. Reductions in TBT Concentrations in UK Estuaries Following Legislation in 1986-1987. Marine Environmental Resource 32(1-3): 89-111.

Wald, G., P.K. Brown, and P.S. Brown. 1957. Visual Pigments and Depths of Habitat of Marine Fishes. Nature 180: 969-971.

Wallace, J.B., J.R. Webster, S.L. Eggert, and J.L. Meyer. 2000. Small Wood Dynamics in a Headwater Stream. Verhandlungen der Internationale Vereinigung für Limnologie 27: 1361-1365.

Wallace, J.B., J.R. Webster, S.L. Eggert, J.L. Meyer, and E.R. Siler. 2001. Large Woody Debris in a Headwater Stream: Long-Term Legacies of Forest Disturbance. International Review of Hydrobiology 86(4-5): 501-513.

Wang, X.L., K. Klinka, H.Y.H. Chen, and L. de Montigny. 2002. Root Structure of Western Hemlock and Western Redcedar in Single- and Mixed-Species Stands. Canadian Journal of Forest Research-Revue Canadienne De Recherche Forestiere 32(6): 997-1004.

Wantzen, K.M. 2006. Physical Pollution: Effects of Gully Erosion on Benthic Invertebrates in a Tropical Clear-Water Stream. Aquatic Conservation-Marine and Freshwater Ecosystems 16(7): 733-749.

Ward, J.V. 1989. The 4-Dimensional Nature of Lotic Ecosystems. Journal of the North American Benthological Society 8(1): 2-8.

Warmke, S., and D. Hering. 2000. Composition, Microdistribution and Food of the Macroinvertebrate Fauna Inhabiting Wood in Low-Order Mountain Streams in Central Europe. International Review of Hydrobiology 85(1): 67-78.

Warner, E. July 7, 2000. Personal communication (written comments to Tom Kahler, The Watershed Company). Muckleshoot Indian Tribe, Fisheries Division (as cited by Kahler et al. 2000). Cited in Kahler et al. 2000.

Warner, K. 1972. Further studies of fish predation of salmon stocked in Maine lakes. Progressive Fish-Culturist 34:217–221. Cited in Carrasquero 2001.

Warner, M.J., Kawase, M. and Newton, J.A. 2001. Recent Studies of the Overturning Circulation in Hood Canal. Puget Sound Research Conference, Vancouver, BC.

Warren, D.R., and C.E. Kraft. 2003. Brook Trout (Salvelinus fontinalis) Response to Wood Removal from High-Gradient Streams of the Adirondack Mountains (NY, USA). Canadian Journal of Fisheries and Aquatic Sciences 60(4): 379-389.

Warren, M.L., and M.G. Pardew. 1998. Road Crossings as Barriers to Small-Stream Fish Movement. Transactions of the American Fisheries Society 127(4): 637-644.

Warrington, P. 1999. Impacts of Recreational Boating on the Aquatic Environment. Available at: American Lake Management Society, http://www.nalms.org/bclss/impactsrecreationboat.htm.

Washington Forest Practices Board. 1995. Board Manual: Standard Methodology For Conducting Watershed Analysis. Appendix E. Stream Channel. Olympia: Washington Forest Practices Board. Available at

http://www.dnr.wa.gov/forestpractices/watershedanalysis/manual/index.html (Accessed 2006.10.04).

Wasson, K., K. Fenn, and J.S. Pearse. 2005. Habitat differences in marine invasions of central California. Biological Invasions 7(6): 935-948.

Waters, G.T. 1999. Freshwater mussels and water quality: A review of the effects of hydrologic and instream habitat alterations. Ohio Biological Survey and Aquatic Ecology Laboratory. Ohio State University. Proceedings of the first Freshwater Mollusk Conservation Symposium.

Waters, T.F. 1995. Sediment in streams: sources, biological effects and control. American Fisheries Society, Bethesda, Maryland. 251 p.

Watson, C.C., D.S. Biedenharn, and S.H. Scott. 1999. Channel Rehabilitation: Processes, Design, and Implementation. Vicksburg, MS: U.S. Army Corps of Engineers Research and Development Center.

Watson, L.R., A. Milani, and R.P. Hedrick. 1998. Effects of Water Temperature on Experimentally-Induced Infections of Juvenile White Sturgeon (Acipenser transmontanus) with the White Sturgeon Iridovirus (WSIV). Aquaculture 166(3-4): 213-228.

Watters, G.T. 1996. Small Dams as Barriers to Freshwater Mussels (Bivalvia, Unionoida) and Their Hosts. Biological Conservation 75(1): 79-85.

Watters, G.T. 1999. Freshwater Mussels and Water Quality: A Review of the Effects of Hydrologic and Instream Habitat Alterations. Proceedings of the First Freshwater Mollusk Conservation Symposium, Columbus, Ohio, pp. 261-274.

WDFW (Washington Department of Fish and Wildlife). 1997a. Washington State Forage fish fact sheet: Puget Sound herring fact sheet. WDFW, Forage Fish Management Unit. Olympia, WA. Available at http://www.wdfw.wa.gov/fish/forage/herring.htm (Accessed 2006.11.03).

WDFW (Washington Department of Fish and Wildlife). 1997b. Washington State Forage fish fact sheet: Washington State sand lance fact sheet. WDFW, Forage Fish Management Unit. Olympia, WA. Available at: http://www.wdfw.wa.gov/fish/forage/lance.htm (Accessed 2006.11.03). Cited in NRC 2001, and in Nightingale and Simenstad 2001.

WDFW (Washington Department of Fish and Wildlife). 1997c. Washington State Forage fish fact sheet: Washington State surf smelt fact sheet. WDFW, Forage Fish Management Unit. Olympia, WA. Available at http://www.wdfw.wa.gov/fish/forage/smelt.htm (Accessed 2006.11.03).

WDFW (Washington Department of Fish and Wildlife). 1998. Habitat engineering fish streams information: screening requirements for water diversions. http://wdfw.wa.gov/hab/engineer/fishscrn.htm, accessed 2006.11.30.

WDFW (Washington Department of Fish and Wildlife). 2000. Fishway Guidelines for Washington State. Olympia, Washington: Washington Department of Fish and Wildlife.

WDFW (Washington Department of Fish and Wildlife). 2001a. Fish Protection Screen Guidelines for Washington State - Draft. Draft Report. Olympia: Washington Department of Fish and Wildlife.

WDFW (Washington Department of Fish and Wildlife). 2001b Washington State Aquatic Nuisance Species Management Plan. Coordinated by Pamala Meacham of the Washington State Department of Fish and Wildlife for the Washington Aquatic Nuisance Species Committee. October 2001.

WDFW (Washington Department of Fish and Wildlife). 2003. Integrated Streambank Protection Guidelines. Olympia, Washington: Washington Department of Fish and Wildlife.

WDFW (Washington Department of Fish and Wildlife). 2004. Zebra mussels discovered at Washington-Idaho border. Washington Department of Fish and Wildlife. Available at: http://wdfw.wa.gov/do/newreal/release.php?id=may2504a (accessed June 22, 2007).

WDFW (Washington Department of Fish and Wildlife). 2007. Data provided by Washington Department of Fish and Wildlife, Olympia, Washington. MS Excel spreadsheet, WhitePaperdatatypes11_01_06_1.xls Provided to Herrera Environmental Consultants. May 9, 2007.

WDFW and ODFW (Washington Department of Fish and Wildlife and Oregon Department of Fish and Wildlife). 2001. Washington and Oregon eulachon management plan. Olympia, WA: Washington Department of Fish and Wildlife. 32 p. Cited in Willson et al. 2006.

WDNR (Washington Department of Natural Resources). 2001. Shoreline Inventory: Nearshore Habitat Program. Olympia, Washington: Washington State Department of Natural Resources.

WDNR (Washington Department of Natural Resources). 2004. Maury Island Aquatic Reserve. Final Management Plan. October 29, 2004. Aquatic Resources Division. Olympia, WA. Available at http://www.dnr.wa.gov/htdocs/aqr/reserves/pdf/mgmtplan10_29_04.pdf (Accessed 2006.10.04).

WDNR (Washington Department of Natural Resources). 2005a. Draft Aquatic Resources Program Endangered Species Act Compliance Endangered Draft Covered Species Technical Paper. Olympia, Washington: Washington State Department of Natural Resources.

WDNR (Washington Department of Natural Resources). 2005b. Aquatic Resources Program Endangered Species Act Compliance Potential Covered Activities Technical Paper. Olympia, Washington: Washington State Department of Natural Resources.

WDNR (Washington Department of Natural Resources). 2005c. Forest Practices - Habitat Conservation Plan. Olympia, Washington: Washington State Department of Natural Resources.

WDNR (Washington Department of Natural Resources). 2005d. Standard Practice for the Use and Removal of Treated Wood Pilings on and from State-Owned Aquatic Lands. Standard

practice memorandum SPM 02-07. Olympia, Washington: Washington Department of Natural Resources.

WDNR (Washington Department of Natural Resources). 2006a. Draft Covered Species White paper - Fish. Olympia, Washington: Washington Department of Natural Resources.

WDNR (Washington Department of Natural Resources). 2006b. Draft Covered Species White Paper - Invertebrates. Olympia, Washington: Washington Department of Natural Resources.

WDNR (Washington Department of Natural Resources). 2007. Aquatic Resources Program Endangered Species Act Compliance Project – Potential Effects and Expected Outcomes Technical Paper. Olympia, Washington: Washington Department of Natural Resources.

Webb, A.A., and W.D. Erskine. 2003. Distribution, Recruitment, and Geomorphic Significance of Large Woody Debris in an Alluvial Forest Stream: Tonghi Creek, Southeastern Australia. Geomorphology 51(1-3): 109-126.

Webber, J.D., S.N. Chun, T.R. MacColl, L.T. Mirise, A. Kawabata, E.K. Anderson, T.S. Cheong, L. Kavvas, M.M. Rotondo, K.L. Hochgraf, R. Churchwell, and J.J. Cech. 2007. Upstream Swimming Performance of Adult White Sturgeon: Effects of Partial Baffles and a Ramp. Transactions of the American Fisheries Society 136(2): 402-408.

Weber, E.D., S.M. Borthwick, and L.A. Helfrich. 2002. Plasma Cortisol Stress Response of Juvenile Chinook Salmon to Passage through Archimedes Lifts and a Hidrostal Pump. North American Journal of Fisheries Management 22(2): 563-570.

Webster, M.T., and R.C. Loehr. 1996. Long-Term Leaching of Metals from Concrete Products. Journal of Environmental Engineering-American Society of Civil Engineers 122(8): 714-721.

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 42(6): 1-14.

Weigand, D.C. 1991. Effects of Gravel Scalping on Juvenile Salmonid Habitat. Seattle, Washington: University of Washington.

Weis, J.S. and P. Weis. 1994. Effects of Contaminants from Chromated Copper Arsenate-Treated Lumber on Benthos. Archives of Environmental Contamination and Toxicology 26: 103-109. Cited in Stratus 2005b.

Weis, J.S. and P. Weis. 1996. Effects of Using Wood Treated with Chromated Copper Arsenate in Shallow-Water Environments: A Review. Estuaries 19(2A): 306-310. Cited in Stratus 2005b

Weis, J.S., P. Weis, and T. Proctor. 1998. The extent of benthic impacts of CCA-treated wood structures in Atlantic Coast estuaries. Archives of Environmental Contamination and Toxicology 34:313-322. Cited in Stratus 2005b.

Weis, P, J.S. Weis, A. Greenberg, and T.J. Nosker. 1992. Toxicity of construction materials in the marine environment: A comparison of chromated-copper-arsenate-treated wood and recycled plastic. Archives of Environmental Contamination and Toxicology 22:99-106. Cited in Stratus 2005b.

Weis, P., J.S. Weis, and J. Couch. 1993. Histopathology and Bioaccumulation in Crassostrea Virginica Living on Wood Preserved with Chromated Copper Arsenate. Diseases Aquatic Organization 17: 41-46. Cited in Stratus 2005b.

Weisberg, S.B., W.H. Burton, F. Jacobs, and E.A. Ross. 1987. Reductions in Ichthyoplankton Entrainment with Fine-Mesh, Wedge-Wire Screens. North American Journal of Fisheries Management 7(3): 386-393.

Weitkamp, D.E. 1982. Juvenile chum and chinook salmon behavior at Terminal 91, Report to Port of Seattle. Parametrix Inc. Cited in Nightingale and Simenstad 2001a.

Weitkamp, D.E. 1981. Shilshole Bay Fisheries Resources, No. 81-0712-018 F. Parametrix Inc., Seattle, WA. Cited in Nightingale and Simenstad 2001a.

Weitkamp, D.E., and R.F. Campbell. 1980. Port of Seattle Terminal 107 Fisheries Study. Bellevue, Washington.

Weitkamp, D.E., and T.H. Schadt. 1982. 1980 Juvenile Salmonid Study. Document No. 82-0415-012f. Prepared for the Port of Seattle by Parametrix, Inc., Seattle, Washington.

Welch, E.B., and T. Lindell. 1992. Ecological Effects of Wastewater: Applied Limnology and Pollution Effects. London, New York: E & FN Spon.

Welch, E.B., J.M. Jacoby, and C.W. May. 1998. Stream Quality. In River Ecology and Management, edited by R.J. Naiman and R.E. Bilby. New York: Springer. pp. 69-94.

Welker, T.L., S.T. McNulty, and P.H. Klesius. 2007. Effect of Sublethal Hypoxia on the Immune Response and Susceptibility of Channel Catfish, Ictalurus Punctatus, to Enteric Septicemia. Journal of the World Aquaculture Society 38(1): 12-23.

Welton, J.S., W.R.C. Beaumont, and R.T. Clarke. 2002. The Efficacy of Air, Sound and Acoustic Bubble Screens in Deflecting Atlantic Salmon, Salmo Salar L., Smolts in the River Frome, UK. Fisheries Management and Ecology 9(1): 11-18.

Wenning, R.J., D.B. Mathur, D.J. Paustenbach, M.J. Stephenson, S. Folwarkow, and W.J. Luksemburg. 1999. Polychlorinated Dibenzo-P-Dioxins and Dibenzofurans in Storm Water Outfalls Adjacent to Urban Areas and Petroleum Refineries in San Francisco Bay, California. Archives of Environmental Contamination and Toxicology 37(3): 290-302.

- West, J. 1995. Accumulation of Mercury and Polychlorinated Biphenyls in Quillback Rockfish (Sebasters Maliger) from Puget Sound, Washington. Puget Sound Research '95 Proceedings, Bellevue, Washington.
- West, J.E. 1997. Protection and Restoration of Marine Life in the Inland Waters of Washington State. Puget Sound/Georgia Basin Environmental Report Series: Number 6. Puget Sound/Georgia Basin International Task Force. Puget Sound Action Team. Olympia, WA. Cited in WDNR 2006b.
- West, J.E., R.M. Buckley, and D.C. Doty. 1994. Ecology and Habitat Use of Juvenile Rockfishes (Sebastes Spp.) Associated with Artificial Reefs in Puget-Sound, Washington. Bulletin of Marine Science 55(2-3): 344-350.
- Westbrook, C.J., D.J. Cooper, and B.W. Baker. 2006. Beaver Dams and Overbank Floods Influence Groundwater-Surface Water Interactions of a Rocky Mountain Riparian Area. Water Resources Research 42(6): 1-12.
- Whalen, P.J., L.A. Toth, J.W. Koebel, and P.K. Strayer. 2002. Kissimmee River Restoration: A Case Study. Water Science and Technology 45(11): 55-62.
- White, D.K., C. Swanson, P.S. Young, J.J. Cech Jr., Z.Q. Chen, and M.L. Kavvas. 2007. Close Encounters with a Fish Screen II: Delta Smelt Behavior before and During Screen Contact. Transactions of the American Fisheries Society 136(2): 528-538.
- White, D.S. 1990. Biological Relationships to Convective Flow Patterns within Stream Beds. Hydrobiologia 196: 149-158.
- White, D.S. 1993. Perspectives on Defining and Delineating Hyporheic Zones. Journal of the North American Benthological Society 12: 61-69.
- White, S.T. 1975. The Influence of Piers and Bulkheads on the Aquatic Organisms in Lake Washington. Master's Thesis, University of Washington.
- Whitledge, G.W., C.F. Rabeni, G. Annis, and S.P. Sowa. 2006. Riparian Shading and Groundwater Enhance Growth Potential for Smallmouth Bass in Ozark Streams. Ecological Applications 16(4): 1461-1473.
- Whitman, R.P., T.P. Quinn, and E.L. Brannon. 1982. Influence of Suspended Volcanic Ash on Homing Behavior of Adult Chinook Salmon. Transactions of the American Fisheries Society.
- Whyte, J.J., R.E. Jung, C.J. Schmitt, and D.E. Tillitt. 2000. Ethoxyresorufin-O-Deethylase (EROD) Activity in Fish as a Biomarker of Chemical Exposure. Critical Reviews in Toxicology 30: 347-570.
- Widdows, J., P. Fieth, and C.M. Worrall. 1979. Relationships between Seston, Available Food and Feeding-Activity in the Common Mussel Mytilus-Edulis. Marine Biology 50(3): 195-207.

Wijnberg, K.M. 2002. Environmental Controls on Decadal Morphologic Behaviour of the Holland Coast. Marine Geology 189(3-4): 227-247.

Wik, S.J. 1995. Reservoir Drawdown - Case-Study in Flow Changes to Potentially Improve Fisheries. Journal of Energy Engineering-American Society of Civil Engineers 121(2): 89-96.

Wilber, D.H., and D.G. Clarke. 2001. Biological Effects of Suspended Sediments: A Review of Suspended Sediment Impacts on Fish and Shellfish with Relation to Dredging Activities in Estuaries. North American Journal of Fisheries Management 21(4): 855-875.

Wilber, D.H., D.G. Clarke, and M.H. Burlas. 2006. Suspended Sediment Concentrations Associated with a Beach Nourishment Project on the Northern Coast of New Jersey. Journal of Coastal Research 22(5): 1035-1042.

Wilber, D.H., D.G. Clarke, and S.I. Rees. 2007. Responses of Benthic Macroinvertebrates to Thin-Layer Disposal of Dredged Material in Mississippi Sound, USA. Marine Pollution Bulletin 54(1): 42-52.

Wilber, D.H., D.G. Clarke, G.L. Ray, and M. Burlas. 2003. Response of Surf Zone Fish to Beach Nourishment Operations on the Northern Coast of New Jersey, USA. Marine Ecology-Progress Series 250: 231-246.

Wilcox, D.A., J.E. Meeker, P.L. Hudson, B.J. Armitage, M.G. Black, and D.G. Uzarski. 2002. Hydrologic Variability and the Application of Index of Biotic Integrity Metrics to Wetlands: A Great Lakes Evaluation. Wetlands 22(3): 588-615.

Wildish, D.J., and J. Power. 1985. Avoidance of Suspended Sediments by Smelt as Determined by a New Single Fish Behavioral Bioassay. Bulletin of Environmental Contamination and Toxicology 34(5): 770-774.

Williams, D.E., J.J. Lech, and D.R. Buhler. 1998. Xenobiotics and Xenoestrogens in Fish: Modulation of Cytochrome P450 and Carcinogenesis. Mutation Research 399: 179-192.

Williams, G.D. 1994. Effects of Habitat Modification on Distribution and Diets of Intertidal Fishes in Grays Harbor Estuary, Washington. University of Washington, Seattle, Washington.

Williams, G.D. and R.M. Thom. 2001. Development of Guidelines for Aquatic Habitat Protection and Restoration: Marine and Estuarine Shoreline Modification Issues. Prepared for the Washington State Department of Transportation, Washington Department of Fish and Wildlife, and the Washington Department of Ecology, by Battelle Marine Sciences Laboratory, Sequim, Washington. PNWD-3087.

Williams, G.D., and R.M. Thom. 2001. Marine and Estuarine Shoreline Modification Issues. A White Paper. Submitted to Washington Department of Fish and Wildlife, Washington Department of Ecology, and Washington Department of Transportation.

Williams, G.D., R.M. Thom, and J.E. Starkes. 2001. Reconnaissance Assessment of the State of the Nearshore Ecosystem: Eastern Shore of Central Puget Sound, Including Vashon and Maury Islands (WRIAs 8 and 9). Prepared for King County Department of Natural Resources, Seattle, Washington.

Williams, G.D., R.M. Thom, J.E. Starkes, J.S. Brennan, J.P. Houghton, D. Woodruff, P.L. Striplin, M. Miller, M. Pedersen, A. Skillman, R. Cropp, A. Borde, C. Freeland, K. McArthur, V. Fagerness, S. Blanton, and L. Blackmore. 2001. Reconnaissance Assessment of the State of the Nearshore Ecosystem: Eastern Shore of Central Puget Sound, Including Vashon and Maury Islands (WRIAs 8 and 9). Seattle, Washington: King County Department of Natural Resources.

Williams, J.D., M.L. Warren, K.S. Cummings, J.L. Harris, and R.J. Neves. 1993. Conservation Status of Fresh-Water Mussels of the United-States and Canada. Fisheries 18(9): 6-22.

Williams, P.B., and M.K. Orr. 2002. Physical Evolution of Restored Breached Levee Salt Marshes in the San Francisco Bay Estuary. Restoration Ecology 10(3): 527-542.

Williams, S.L., and M.H. Ruckelshaus. 1993. Effects of Nitrogen Availability and Herbivory on Eelgrass (Zostera Marina) and Epiphytes. Ecology 74: 904-918.

Williamson, R.B. 1985. Urban Stormwater Quality. New Zealand Journal of Marine and Freshwater Research 19: 413-427.

Willson, M.F., R. H. Armstrong, M. C. Hermans, and K Koski. 2006. Eulachon: a review of biology and an annotated bibliography. Alaska Fisheries Science Center and NOAA Fisheries. 243 pp.

Wilson, U. 1993. Eelgrass Zostera Marina, in the Dungeness Bay Area, Washington, During 1993. Sequim, Washington: Progress Report, U.S. Fish and Wildlife Service, Coastal Refuges Office.

Wilson, U.W., and J.B. Atkinson. 1995. Black Brant Winter and Spring Staging Use at Two Washington Coastal Areas in Relation to Eelgrass Abundance. The Condor 97(1).

Wilzbach, M.A., B.C. Harvey, J.L. White, and R.J. Nakamoto. 2005. Effects of Riparian Canopy Opening and Salmon Carcass Addition on the Abundance and Growth of Resident Salmonids. Canadian Journal of Fisheries and Aquatic Sciences 62(1): 58-67.

Winfield, I.J. 2004. Fish in the Littoral Zone: Ecology, Threats and Management. Limnologica 34(1-2): 124-131.

Winger, P.V., and P.J. Lasier. 1994. Effects of Salinity on Striped Bass Eggs and Larvae from the Savanna River, Georgia. Transactions of the American Fisheries Society 123(6): 904-912.

Winkelmann, C., S. Worischka, J.H.E. Koop, and J. Benndorf. 2007. Predation Effects of Benthivorous Fish on Grazing and Shredding Macroinvertebrates in a Detritus-Based Stream Food Web. Limnologica – Ecology and Management of Inland Waters 37: 121-128.

Winn, R.N., and D.M. Knott. 1992. An Evaluation of the Survival of Experimental Populations Exposed to Hypoxia in the Savanna River Estuary. Marine Ecology-Progress Series 88(2-3): 161-179.

Winter, B.D. 1990. A Brief Review of Dam Removal Efforts in Washington, Oregon, Idaho, and California. Technical Memo NMFS F/NWR-28. U.S. Department of Commerce, National Oceanic and Atmospheric Administration.

Winter, H.V., and W.L.T. Van Densen. 2001. Assessing the Opportunities for Upstream Migration of Non-Salmonid Fishes in the Weir-Regulated River Vecht. Fisheries Management and Ecology 8(6): 513-532.

Wipfli, M.S. 1997. Terrestrial Invertebrates as Salmonid Prey and Nitrogen Sources in Streams: Contrasting Old-Growth and Young-Growth Riparian Forests in Southeastern Alaska, USA. Canadian Journal of Fisheries and Aquatic Sciences 54(6): 1259-1269.

Wipfli, M.S. 2005. Trophic Linkages between Headwater Forests and Downstream Fish Habitats: Implications for Forest and Fish Management. Landscape and Urban Planning 72(1-3): 205-213.

Wisby, W.J., J.D. Richard, D.R. Nelson, and S.H. Gruber. 1964. Sound Perception in Elasmobranches. In Marine Bio-Acoustics, edited by W.N. Tavolga. New York: Pergamon Press. pp. 255-268.

WNWCB (Washington Noxious Weed Control Board). 2005. Myriophyllum spicatum. Web page. Last updated 09/29/05. Available at:

http://www.nwcb.wa.gov/weed_info/Written_findings/Myriophyllum_spicatum.html (Accessed 2006.10.10).

WNWCB (Washington Noxious Weed Control Board). 2006. Noxious Weed Control Board Home Page. Available at http://www.nwcb.wa.gov/index.htm (Accessed 2006.10.02).

Wohl, E.E. 2001. Virtual Rivers: Lessons from the Mountain Rivers of the Colorado Front Range. New Haven, Connecticut: Yale University Press.

Wohl, E.E. 2004. Disconnected Rivers: Linking Rivers to Landscapes. New Haven, Connecticut: Yale University Press.

Wohl, E.E., and D.A. Cenderelli. 2000. Sediment Deposition and Transport Patterns Following a Reservoir Sediment Release. Water Resources Research 36(1): 319-333.

Wones, A. and C. Cziesla. 2004. A comparison of three cable installation methods. Jones and Stokes. Bellevue, WA. Poster presented at: Restore Americas Estuaries Conference. Seattle, WA. E.

Wood, P.J., and P.D. Armitage. 1997. Biological Effects of Fine Sediment in the Lotic Environment. Environmental Management 21: 203-217.

Woodsmith, R. D. and J.M. Buffington. 1996. Multivariate geomorphic analysis of forest streams: implications for assessment of land use impacts on channel conditions. Earth Surface Processes and Landforms 21:377–393.

Work, P.A., F. Fehrenbacher, and G. Voulgaris. 2004. Nearshore Impacts of Dredging for Beach Nourishment. Journal of Waterway Port Coastal and Ocean Engineering-ASCE 130(6): 303-311.

Worman, A. 1998. Analytical Solution and Timescale for Transport of Reacting Solutes in Rivers and Streams. Water Resources Research 34(10): 2703-2716.

WSDOT (Washington State Department of Transportation) and Ecology (Washington State Department of Ecology). 1998. Implementing Agreement between the Washington State Department of Ecology and the Washington State Department of Transportation Regarding Compliance with the State of Washington Surface Water Quality Standards.

WSDOT (Washington State Department of Transportation). 2005. Underwater Sound Levels Associated with the Friday Harbor Ferry Terminal. Agency Report. Washington State Department of Transportation, Office of Air, Noise, and Energy.

WSDOT (Washington State Department of Transportation). 2006a. Biological Assessment Preparation for Transportation Projects. Advanced Training Manual. Olympia, Washington: Washington State Department of Transportation, Environmental Affairs Office.

WSDOT (Washington State Department of Transportation). 2006b. Fish exclusion protocols and standards. Olympia, WA. 8 pgs.

WSDOT (Washington State Department of Transportation). 2006b. Washington Transportation Plan 2007-2026. Olympia, Washington: The Washington State Transportation Commission and the Washington State Department of Transportation.

WSDOT (Washington State Department of Transportation). 2006c. Highway Runoff Manual. Publication M 31-16. Olympia, Washington: Washington State Department of Transportation.

WSDOT (Washington State Department of Transportation). 2006d. BA Writers Guidance for Preparing the Stormwater Section of Biological Assessments. Unpublished Addendum To: Biological Assessment Preparation for Transportation Projects. Advanced Training Manual. Olympia, Washington: Washington State Department of Transportation.

WSDOT (Washington State Department of Transportation). 2007. Washington State Department of Transportation Project Index List. Available at: http://www.wsdot.gov/projects (accessed June 19, 2007).

WSDOT (Washington State Department of Transportation). 2006b. Fish Exclusion Protocols and Standards. Olympia, WA. 8 pgs.

Wu, J., W. Mersie, A. Atalay, and C.A. Seybold. 2003. Copper Retention from Runoff by Switchgrass and Tall Fescue Filter Strips. Journal of Soil and Water Conservation 58(1): 67-73.

Wurjanto, A., and N. Kobayashi. 1993. Irregular Wave Reflection and Runup on Permeable Slopes. Journal of Waterway Port Coastal and Ocean Engineering-ASCE 119(5): 537-557.

Wydoski and Whitney. 1979. Inland Fishes of Washington. Seattle: University of Washington Press.

Wydoski, R.G. and R.S. Wydoski. 2002. Age, Growth, and Reproduction of Mountain Suckers in Lost Creek Reservoir, Utah. Transactions of the American Fisheries Society 131(2): 320-328.

Wydoski, R.S. and R.R. Whitney. 2003. Inland Fishes of Washington, Second Edition. American Fisheries Society and University of Washington Press. 322 pp.

Wyllie-Echeverria, S., and R.C. Phillips. 1994. Seagrasses of the Northwest Pacific. In: Seagrass Science and Policy in the Pacific Northwest: Proceedings of a Seminar Series. Edited by S. Wyllie-Echeverria, A.M. Olson, and M.J. Hershman. Prepared for: U.S. Environmental Protection Agency. (SMA 94-1). EPA 910/R-94-004.

Wyzga, B. 1996. Changes in the Magnitude and Transformation of Flood Waves Subsequent to the Channelization of the Raba River, Polish Carpathians. Earth Surface Processes and Landforms 21(8): 749-763.

Xiao, Y., J. Simonsen, and J.J. Morrell. 2002. Effect of Water Flow Rate and Temperature on Leaching from Creosote-Treated Wood. Research Note FPL-RN-0286. U.S. Department of Agriculture, Forest Service, Forest Products Laboratory, Madison, WI. Cited in Stratus 2005a.

Yager, E., M. Schmeeckle, W.E. Dietrich, and J.W. Kirchner. 2004. The Effect of Large Roughness Elements on Local Flow and Bedload Transport. Eos Transactions American Geophysical Union 85(47), Fall Meet Supplement, Abstract H41G-05.

Yanai, S., and K. Kochi. 2005. Effects of Salmon Carcasses on Experimental Stream Ecosystems in Hokkaido, Japan. Ecological Research 20(4): 471-480.

Yang, M.-S., K. Dodd, R. Hibshman, and A. Whitehouse. 2006. Food Habits of Groundfishes in the Gulf of Alaska in 1999 and 2001. Seattle, Washington: Alaska Fisheries Science Center, National Marine Fisheries Service.

Yates, S. 2001. Effects of Swinomish Channel jetty and causeway on outmigrating chinook salmon (Oncorhynchus tshawytscha) from the Skagit River Washington. Bellingham, Washington: Western Washington University. 65 pp.

Yelverton, J.T., D.R. Richmond, W.Hicks, K Saunders, and E.R. Fletcher. 1975. The Relationship between Fish Size and their Response to Underwater Blast. Report DNA 3677T, Director, Defense Nuclear Agency. Washington D.C.

Yonge, D., A. Hossain, M. Barber, S. Chen, and D. Griffin. 2002. Wet Detention Pond Design for Highway Runoff Pollutant Control. National Cooperative Highway Research Program.

Young, G.K., S. Stein, P. Cole, and T. Kammer. 1996. Evaluation and Management of Highway Runoff Water Quality. Washington, DC: Federal Highway Administration, U.S. Department of Transportation.

Young, W.J. 1991. Flume Study of the Hydraulic Effects of Large Woody Debris in Lowland Rivers. Regulated Rivers: Research & Management 6: 203-211.

Young, W.T., and D.L. Scarnecchia. 2005. Habitat Use of Juvenile White Sturgeon in the Kootenai River, Idaho and British Columbia. Hydrobiologia 537(1): 265-271.

Yousef, Y.A. 1974. Assessing Effects on Water Quality by Boating Activity. U.S. Environmental Protection Agency, Technical Service.

Yousef, Y.A., W.M. Mclellon, and H.H. Zebuth. 1980. Changes in Phosphorus Concentrations Due to Mixing by Motor-Boats in Shallow Lakes. Water Research 14(7): 841-852.

Yozzo, D.J., P. Wilber, and R.J. Will. 2004. Beneficial Use of Dredged Material for Habitat Creation, Enhancement, and Restoration in New York-New Jersey Harbor. Journal of Environmental Management 73(1): 39-52.

Zalewski, M., B. Bis, M. Lapinska, P. Frankiewicz, and W. Puchalski. 1998. The Importance of the Riparian Ecotone and River Hydraulics for Sustainable Basin-Scale Restoration Scenarios. Aquatic Conservation-Marine and Freshwater Ecosystems 8(2): 287-307.

Zelo, I., H. Shipman, and J. Brennan. 2000. Alternative Bank Protection Methods for Puget Sound Shorelines. Shorelands and Environmental Assistance Program, Washington Department of Ecology, Olympia, Washington. 130pp.

Zemlak, R.J., and J.D. McPhail. 2006. The Biology of Pygmy Whitefish, Prosopium Coulterii, in a Closed Sub-Boreal Lake: Spatial Distribution and Diel Movements. Environmental Biology of Fishes 76(2-4): 317-327.

Zhang, W., X.L. Chen, J.H. Xu, G.C. Li, and Z.Q. Wang. 2000. Experimental Study on Scours Downstream of Floodgates. China Ocean Engineering 14(2): 243-254.

Zhang, Y.X., J.N. Negishi, J.S. Richardson, and R. Kolodziejczyk. 2003. Impacts of Marine-Derived Nutrients on Stream Ecosystem Functioning. Proceedings of the Royal Society of London Series B-Biological Sciences 270(1529): 2117-2123.

Ziller, J. 2005. Middle Fork Willamette River Bull Trout Spawning Gravel Augmentation Project. January 14, 2005. Available at: http://www.dfw.state.or.us/ODFWhtml/springfield/R&EBoard.pdf (accessed June 21, 2007).

Zimmermann, A.E., and M. Lapointe. 2005. Intergranular Flow Velocity through Salmonid Redds: Sensitivity to Fines Infiltration from Low Intensity Sediment Transport Events. River Research and Applications 21(8): 865-881.

Zisette, R., Aquatic Science Director with Herrera Environmental Consultants, Inc., Seattle, Washington. 2007. Discussion regarding Eagle Harbor project construction and monitoring with Dylan Ahearn of Herrera Environmental Consultants, Inc. Seattle, Washington, August 14, 2007.

Zweig, L.D. and C.F. Rabeni. 2001. Biomonitoring for deposited sediment using benthic invertebrates: a test on 4 Missouri streams. Journal of the North American Benthological Society 20(4):643-65.

Zydlewski, G.B., and J.R. Johnson. 2002. Response of Bull Trout Fry to Four Types of Water Diversion Screens. North American Journal of Fisheries Management 22(4): 1276-1282.