



Snohomish County

Swamp Creek Drainage Needs Report

11.0 References

- Alonso, C. V. and S. T. Combs. 1990. Streambank Erosion Due to Bed Degradation. A Model Concept, Trans. ASAE, 33:1239-1248.
- Angermeier, P. L. and J. R. Karr. 1994. Biological Integrity Versus Biological Diversity as Policy Directives. Bioscience 44:690-697.
- Azous, A. L. and R. R. Horner. 2001. Wetlands and Urbanization. New York: Lewis Publishers.
- Azous, A.L. 1991. An Analysis of Urbanization Effects on Wetland Biological Communities. Prepared for the King County Environmental Division, Resource Planning Section, Seattle, WA.
- Beamer, E. M. and R. A. Henderson. 1998. *Juvenile Salmonid Use of Natural and Hydromodified Stream Banks in the Mainstem Skagit River, Northwest Washington*. Prepared for the United States Army Corps of Engineers, Seattle District. Skagit System Cooperative, LaConner, WA.
- 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* 126:217-229.
- Bisson, P. A., R. E. Bilby, M. D. Bryant, C. A. Dolloff, G. B. Grette, R. A. House, M. L. Murphey, K. V. Koski, and J. R. Sedell. 1987. Large Woody Debris in Forested Streams in the Pacific Northwest: Past, Present, and Future. Pp. 143-190 in Salo, E. O. and T. W. Cundy (eds.). *Streamside Management: Forestry and Fisheries Interactions*. Institute of Forest Resources Contribution Number 57. Seattle, WA: University of Washington.
- Bjornn, T.C., and D.W. Reiser. 1991. Habitat Requirements of Salmonids in Streams. *American Fisheries Society Special Publication* 19:83-138.
- Blosser, Mark. May 22, 2000. Should the City accept a particulate management street cleaner in lieu of Drainage Manual-required on-site stormwater treatment for the proposed Capital Mall expansion? City of Olympia Department of Public Works.
- Brinson, M. M. 1988. Strategies for Assessing the Cumulative Effects of Wetland Alteration on Water Quality. *Environ. Manage.* 12:665-662.
- 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.
- Cederholm, C. J. and L. M. Reid. 1987. Impact of Forest Management on Coho Salmon (*Oncorhynchus kisutch*) Populations of the Clearwater River, Washington: A Project Summary. Pp. 373-398 in: Salo, E. O. and T. W. Cundy (eds.). *Streamside Management: Forestry and Fishery Interactions*.
- Cederholm, C. J., L. M. Reid and E. O. Salo. 1981. Cumulative effects of logging road sediment on salmonid populations of the Clearwater River, Jefferson County, Washington. Pages 38-74 in Proceedings of Conference on Salmon Spawning Gravel: A

- Renewable Resource in the Pacific Northwest? Report 19. Wash. State University, Water Research Center, Pullman, WA.
- Chow, Ven-Te. 1959. *Open-Channel Hydraulics*. Reprint, 1988. New York: McGraw-Hill Book Company.
- Cutting, C. W. 1999. A Sanctuary for Salmon: Engineering Solutions to Restore Habitat Without Reversing Development. *Seattle Daily Journal of Commerce*: November 18, 1999. <http://www.djc.com/special/design99/10060792.htm> (6 Nov. 2001).
- Dillon, Jeffrey, Therese Littleton, and Jeffrey Laufle. 1998. Literature review of revetment and channelization impacts on Pacific Northwest aquatic resources with implications to Skagit River, Washington. U.S. Army Corps of Engineers, Seattle District, Seattle, Washington.
- Dinicola. 1990. The United States Geological Survey (USGS) modeled Swamp Creek (to which Scriber Creek is tributary), among other basins, as part of an effort to establish regional parameters for HSPF.
- Dykaar, B. B., and P. J. Wigington, Jr. 2000. Floodplain Formation and Cottonwood Colonization Patterns on the Willamette River, Oregon, USA. *Environ. Mgt.* 25(1):87-104.
- Entranco. 1991. *Martha Lake – Phase 1 Restoration Report*, Washington State Department of Ecology, Grant No. TAX 90023. Prepared for Snohomish County Surface Water Management, December 1991.
- Everett, R. A. and G. M. Ruiz. 1993. Coarse Woody Debris as a Refuge from Predation in Aquatic Communities: An Experimental Test. *Oecologia* 93:475-486.
- Fore, L.S., J.R. Karr, and R.W. Wisseman. 1996. Assessing Invertebrate Responses to Human Activities: Evaluating Alternative Approaches. *Journal of the North American Benthological Society* 15:212–231.
- Goldes, S. A., Ferguson, H. W., Moccia, R. D., and Daoust, P. Y. 1988. Histological Effects of the Inert Suspended Clay Kaolin on the Gills of Juvenile Rainbow Trout, *Salmo gairdneri* Richardson. *Journal of Fish Diseases* 11(1):23-33.
- Grant, K. 1994. *Oregon River Restoration - A Sensitive Management Strategy Boosts Natural Healing*. *Restoration and Management Notes* 12(2):152-159.
- Groot, C., and L. Margolis. 1991. *Pacific Salmon Life Histories*. Vancouver, British Columbia, Canada: UBC Press.
- Harvey, M. D., C. C. Watson, and S. A. Schumm. 1985. *Gully Erosion*. U.S. Bureau of Land Reclamation Technical Note 366.
- Hogan, D. L. and B. R. Ward. 1997. Watershed Geomorphology and Fish Habitat. Chapter 2 in: Slaney, P. A. and D. Zaldokas (eds.). *Fish Habitat Rehabilitation Procedures*. Watershed Restoration Technical Circular No. 9, B.C. Ministry of Environment, Lands and Parks and B.C. Ministry of Forests, Victoria, B.C.
- 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 1: Riverine and Depressional Wetlands in the Lowlands of Western Washington: Part 1 Assessment Methods. Publication #99-115.
- Hubbell, Roth, and Clark (HRC) in association with Pacific Water Resources. 2001. Storm Sewer Maintenance, Final Report. Prepared for City of Livonia, Michigan.

- Jackson, D. C. 1989. A Glimmer of Hope for Stream Fisheries in Mississippi. *Fisheries*. 14(3):4-9.
- Jakober, T. E., T. E. McMahon, R. F. Thurow, and C. G. Clancy. 1998. Role of Stream Ice on Fall and Winter Movements and Habitat Use by Bull Trout and Cutthroat Trout in Montana Headwater Streams. *Transactions of the American Fisheries Society* 127:223-235.
- Jude, D. J. and S. F. DeBoe. 1996. Possible Impact of Gobies and Other Introduced Species on Habitat Restoration Efforts. *Canadian Journal of Fisheries and Aquatic Sciences* 53(1):136-141.
- JSA. 1996. NHC performed additional HSPF modeling of the Scriber Creek basin to evaluate and size the North Scriber Creek Detention Facility for the City of Lynnwood.
- Karr, J. R. 1996a. Ecological Integrity and ecological health are not the same. Pp. 100-113 in Schulze, P. (ed.). *Engineering Within Ecological Constraints*. Washington, DC: National Academy Press.
- . 1996b. *Rivers as Sentinels: Using the Biology of Rivers to Guide Landscape Management*. Salmonweb. <http://www.salmonweb.org/>
- . 1991. Biological Integrity: A Long-Neglected Aspect of Water Resource Management. *Ecological Applications* 1:66-84.
- Karr J. R. and E. W. Chu. 1997. *Biological Monitoring and Assessment: Using Multimetric Indexes Effectively*. Seattle, WA: University of Washington.
- Karr, J. R., K. D. Fausch, P. L. Angermeier, P. R. Yant, and I. J. Schlosser. 1986. *Assessment of Biological Integrity in Running Water: a Method and its Rationale*. Special Publication No. 5. Illinois Natural History Survey, Champaign, IL.
- Karr, J. R., and D. R. Dudley. 1981. Ecological Perspective on Water Quality Goals. *Environmental Management* 5:55-68.
- KCM. 1994. Swamp Creek Watershed Management Plan.
- Kelly, E. A., A. MacDonald, T. Tally and N. J. Merrit. 1995. *Effects of Large Organic Debris on Channel Morphology and Sediment Storage in Selected Tributaries of Redwood Creek, Northwestern, California*. U.S. Geologic Survey Professional Paper 1454-P, Menlo Park, CA. 29 pp.
- King County. 2002. Water Quality Monitoring of Northern Lake Washington Streams. King County Department of Natural Resources and Parks.
- King County, Snohomish County, WDFW, et al. 2001. WRIA 8 Comprehensive salmonid database.
- Kleindl, W. J. 1995. *A Benthic Index of Biotic Integrity for Puget Sound Lowland Streams, Washington, USA*. M.S. Thesis, University of Washington. Seattle, WA.
- Kondolf, G. M. 2000. Assessing salmonid spawning gravel quality. *Trans. Amer. Fish. Soc.* 129(1): 262-281.
- Kraemer, C. 1994. Some observations on the life history and behavior of the native char, Dolly Varden (*Salvelinus malma*) and bull trout (*Salvelinus confluentus*) of the North Puget Sound region. Draft report, Washington State Department of Fish and Wildlife, Mill Creek, Washington.

- Li, H. W. 1994. Cumulative Effects of Riparian Disturbances along High Desert Trout Streams of the John Day Basin, Oregon. *Transactions of the American Fisheries Society* 123:627-640.
- Lines, I.L. Jr, Carlson, and R.A. Corthell. 1979. Repairing Flood-Damaged Streams in the Pacific Northwest. Pp. 195-200 in: Johnson and McCormick (1979). Washington, D.C.
- Lisle, T. E. 1986. Effects of Woody Debris on Anadromous Salmonid Habitat, Prince of Wales Island, Southeast Alaska. *North American Journal of Fisheries Management* 6:538-550.
- LGL, Limited. 2001. *Complexing of Mainstem Habitat and Enhancement of Off-channel Habitat in Ginlulak Creek, Nass River, BC*. <http://www.lgl.com/Ginlulak.htm>, (6 Nov. 2001).
- Lloyd, D. S. 1985. *Turbidity in Freshwater Habitats of Alaska, A Review of Published and Unpublished Literature Relevant to the Use of Turbidity as a Water Quality Standard*. Alaska Department of Fish and Game. Report No. 85-1. Juneau, Alaska.
- McHenry, M. L., D. C. Morrill and E. Currence. 1994. *Spawning Gravel Quality, Watershed Characteristics and Early Life History Survival of Coho Salmon and Steelhead in Five North Olympic Peninsula Watersheds. Lower Elwha S'Klallam Tribe, Port Angeles, WA. and Makah Tribe, Neah Bay, WA*. Funded by Washington State Dept. of Ecology (205J grant).
- Metro. 1994 [and all years from 1980 through 1989]. Water Quality of Small Lakes and Streams: Western King County 1990–1993. Municipality of Metropolitan Seattle, Water Resources Section, Seattle, Washington.
- Mitsch, W. J. and J. G. Gosselink. 1986. *Wetlands*. New York, NY: Van Nostrand Reinhold Company.
- 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 Sciences* 56:377-387.
- Morley, S.A. (2000) Effects of urbanization on the biological integrity of Puget Sound lowland streams: Restoration with a biological focus, Washington, USA. Thesis, University of Washington, Seattle, WA
- Moyle, P. B. and T. Light. 1996. Fish Invasions in California: Do Abiotic Factors Determine Success? *Ecology* 77(6):1666-1670.
- NHC. 1990. Scriber Creek Flood Plain Mapping Study.
- National Marine Fisheries Service (NMFS). 1996. *Making Endangered Species Act Determinations of Effect for Individual or Grouped Actions at the Watershed Scale*. National Marine Fisheries Service, Environmental Technical Services Division, Habitat Conservation Branch. 28 pp.
- Newcombe, C. P. and D. D. MacDonald. 1991. Effects of Suspended Sediments on Aquatic Ecosystems. *North American Journal of Fisheries Management*. 11:72-82.
- Nickleson, T. E., J. D. Rodgers, S. L. Johnson, and M. F. Solazzi. 1992. Seasonal Changes in Habitat Use by Juvenile Coho Salmon (*Oncorhynchus kisutch*) in Oregon Coastal Streams. *Can. J. Fish. Aquat. Sci.* 49:783-789. Northwest Forest and Range Experiment Station, Corvallis, OR.

Otak. 2001. *The Russell Way Flooding Analysis*.

Pacific Fishery Management Council (PFMC). 2000. Pacific Coast Salmon Plan. Fishery management plan for commercial and recreational salmon fisheries off the coasts of Washington, Oregon, and California as revised by Amendment 14. Amended sections. Portland, Oregon.

Platts, W. S., W. F. Megehan, and G. W. Minshall. 1983. *Methods for Evaluating Stream, Riparian, and Biotic Conditions*. USDA Forest Service, Intermountain Forest and Range Experiment Station, Gen. Tech. Rept. INT-138.

Poole, G. C. and C. H. Berman. 2001. An Ecological Perspective on In-stream Temperature: Natural Heat Dynamics and Mechanisms of Human-Caused Thermal Degradation. *Environmental Management* 27:787-802.

PTI. 1991. 1990 Puget Sound Pesticide Reconnaissance Survey. Prepared for U.S. Environmental Protection Agency by PTI Environmental Services, Bellevue, Washington..

R. W. Beck. 2001. 196th Street/Filbert Road/SR 524 – Drainage Analysis and Preliminary Design.

———. 2001. Final Stormwater Management Plan. Prepared for the City of Snohomish. Seattle, WA.

———. 1999. *112th Street SW/SE Hydraulic Report*.

———. 1999. Martha Lake Level and Outlet Study.

———. 1991. City of Edmonds Drainage Study Plan.

———. 1998. City of Lynnwood Comprehensive Flood and Drainage Management Plan.

Rapport, D. J., H. A. Regier, and T. C. Hutchinson. 1985. Ecosystem Behaviour Under Stress. *American Naturalist* 125:617-640.

Reeves, G. H., J. D. Hall, T. D. Roelofs, T. L. Hickman, and C. O. Baker. 1991. Rehabilitating and Modifying Stream Habitats. Pp. 519-557 in: Meehan, W. R. (ed). *Influences of Forest and Rangeland Management on Salmonid Fishes and Their Habitats*. American Fisheries Society, Special Publication 19, Bethesda, MD.

Reynolds, J. B., R. C. Simmons, and A. R. Burkholder. 1989. Effects of Placer Mining Discharge on Health and Food of Arctic Grayling. *Water Resources Bulletin* 25:625-635.

Roseboom, D. and K. Russell. 1985. Riparian Vegetation Reduces Streambank and Row Crop Flood Damages. Pp. 241-244 in: Johnson, R. R., C. D. Ziebell, D. R. Patton, P. F. Folliott, and R. H. Hamre. (eds.). *Riparian Ecosystems and Their Management: Reconciling Conflicting Uses*. First North American Riparian Conference. April 16-18, 1985. Tucson, Ariz. U.S. Department of Agriculture Forest Service Publication GTR-RM-120.

Rosgen, D. L. 1996. *Applied River Morphology*. Pagosa Springs, CO: Wildland Hydrology Books.

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* 26:6-13.

Schoof, R. 1980. Environmental Impact of Channel Modification. *Water Resources Bulletin* 16(4):697-701.

- Sedell, J. R., F. J. Swanson, and S. V. Gregory. 1984. *Evaluating Fish Response to Woody Debris*. Proceeding: Pacific Northwest Stream Habitat Management Workshop. Pp.222-245. Humboldt State University, Arcata, CA.
- Servizi, J.A., D. W. Martens. 1992. Sublethal Responses of Coho Salmon (*Oncorhynchus kisutch*) to Suspended Sediments. *Canadian Journal of Fisheries and Aquatic Sciences* 41:1183-1192.
- Simpson, P. W. 1982. *Manual of Stream Channelization Impacts on Fish and Wildlife*. Fish and Wildlife Service Publication OBS- 82/24, 155 pp.
- Snohomish County. 2002. *Aquatic Habitat Summary: Current and Future Conditions of Urban and Urbanizing Streams of Snohomish County*. Snohomish County, Everett, WA.
- . 1996. Snohomish County Code. Published 1996 with supplements through March 2002.
- . 1994. Swamp Creek Watershed Management Plan and Technical Appendices. Snohomish County Public Works, Surface Water Management.
- . 1992. Engineering Design and Development Standards. 1992 edition including 1998 revisions.
- . 2001. Preliminary outfall screening results maps and GIS characteristic data. *Snohomish County Surface Water Management*.
- . 2001. Draft Instream and Riparian DNR Habitat Criteria. Snohomish County Surface Water Management. Everett, WA.
- Snohomish County Surface Water Management. 2002. Wadable Stream Habitat Survey Preliminary Results for the Year 2001. Annual Project Report dated March 2002. Everett, WA.
- Striffler, W. D. 1964. *Sediment, Streamflow, and Land Use Relationships in Northern Lower Michigan*. U.S. Forest Service. Lake States Forest Experimental Station, St. Paul Minnesota, and Michigan Department of Conservation, Research Paper LS-16, Ann Arbor, MI.
- TerraLogic GIS. December 2001. GIS maps for Swamp Creek DNR study area. TerraLogic GIS, Stanwood, Washington. Retrieved March 2002 from website <http://www.ch2mis.com/scdnr/sconly/BeckGIS.asp>.
- Tetra Tech, Inc, in association with Pacific Water Resources. 2001. Quantifying the impact of catch basin and street sweeping on stormwater quality for a Great Lakes tributary: pilot study (draft). Prepared for the Grand River Inter-County Drainage Board, Michigan.
- Thornburgh, K. 1996. Snohomish County Ambient Water Quality Monitoring, Summary Report for 1992–1995. Snohomish County Public Works, Surface Water Management. April 1996.
- Tonnes, D. 2001. Unpublished stream temperature data. Biologist for National Marine Fisheries Service, Seattle, WA
- Toth, E.S. and J. Houck. 2001. *Marshland Watershed Assessment*. Prepared for Snohomish County Public Works, Surface Water Management. August 2001.

Tri-County. 2000. *Tri-County Urban Issues ESA Study – Guidance Document*. Prepared by R2 Resource Consultants on behalf of the Tri-County Urban Issues Advisory Committee. February 2000.

Trimble, S. W. and S. W. Lund. 1984. Comment on 'Erosion, Redeposition, and Delivery of Sediment to Midwestern Streams' by D. C. Wilkin and S. J. Hebel. *Water Resources Research* 20:1317-1318.

U.S. Water Resources Council. 1981. Bulletin 17B.

Washington Department of Ecology. 2002. Swamp Creek water quality data, 1998–1999, collected above Lynnwood at station 08J100. Data obtained from Washington Department of Ecology website on March 1, 2002: www.ecy.wa.gov/programs/eap/fw_riv/data/rv08j100.htm.

———. 2001. Final 303(d) list for the state of Washington. Obtained November 7, 2001 from Washington Department of Ecology website: www.ecy.wa.gov/programs/202d.html.

———. 1998. Washington State Pesticide Monitoring Program: 1996 Surface Water Sampling Report. Publication No. 98-305. Washington Department of Ecology, Environmental Investigations and Laboratory Services Program.

Washington Department of Fisheries (WDF), Washington Department of Wildlife, Western Washington Treaty Indian Tribes. 1993. 1992 Washington State salmon and steelhead stock inventory (SASSI). Washington Department of Fish and Wildlife. 212 pp. + appendices.

Washington Department of Fish and Wildlife (WDFW). 2000. *Fish Passage Barrier and Surface Water Diversion Screening Assessment and Prioritization Manual*. Washington Department of Fish and Wildlife, Habitat Program, Environmental Restoration Division. August 2000.

Washington Department of Fish and Wildlife (WDFW). 1998. 1998 Washington State salmonid stock inventory (SASI). Appendix: Bull trout and Dolly Varden. Washington Department of Fish and Wildlife, Olympia, Washington. 437 p.

———. 1989. Scriber Creek Watershed Management Plan.

Wetlands Research Program (WRP) & Wetlands Regulatory Assistance Program (WRAP) Publications. 2002. Wetlands Research Program, WEDC/EL TR-02-19. "A Regional Guidebook for Applying the Hydrogeomorphic Approach to Assessing Wetland Functions of Flats Wetlands in the Everglades", by Chris V. Noble, Rhonda Evans, Marti McGuire, Katharine Trott, Mary Davis, and Ellis J. Clairain, Jr.