

**Appendix G**  
**List of Citations in EPA's "Basis for EPA's Partial Disapproval of Washington's  
2003 Water Quality Standard Revisions" document and its Appendices**

**Literature**

Ahmed, A. and L. Sullivan. 2004. Total maximum daily load analysis for temperature in tributaries to Oakland Bay- Hammersley Inlet: Mill, Cranberry, and Johns creeks. Quality Assurance Project Plan. Department of Ecology. Olympia, Washington.

Beak Consultants. 1998. Evaluation of potential stranding and trapping of juvenile salmonids as a result of flow fluctuations in the Lower White River, Washington. Prepared for Puget Sound Energy, Inc. Seattle.

Berge, H. B. and K. Higgins. 2003. The current status of Kokanee in the greater Lake Washington Watershed. King County Department of Natural Resources and Parks, Water and Land Resources Division, Seattle, WA. 50pp.

Burton, K., Lowe, L. and H. Berge. 2004 Cedar River Chinook salmon (*Oncorhynchus tshawytscha*) redd and carcass surveys: Annual Report 2003. Seattle Public Utilities. Chelan County Public Utility District No. 1. Unpublished Data: spring and summer Chinook redd count data for Wenatchee basin (includes Wenatchee and Chiwawa rivers and Icicle, Nason, and Peshastin creeks). Received 2/18/05 from Steven Hays, Chelan PUD, Wenatchee, Washington.

Coe, T. 2004. Nooksack Chinook Rearing Habitat Assessment. Report to Salmon Recovery Funding Board, IAC #00-1796N Final Report. November 29, 2004. Nooksack Tribe, Natural Resources Department. Deming, WA. 76 pp. (+appendices).

Colville Tribes. 2005. 2005 Okanogan Basin steelhead spawning ground surveys. Performance Period Report for BPA Project #200302200. Prepared by J. Arteburn, K. Kistler, and R. Dasher, Colville Tribes, Department of Fish and Wildlife, Anadromous Fish Division – Omak Office.

Confederate Tribes of the Umatilla Indian Reservation. 2005. Unpublished Data. Spring Chinook spawning survey data in Mill Creek (WRIA 32). Provided by Brian Mahoney, CTUIR.

Cutler, J. 2001. Salmonid habitat limiting factors, anadromous and resident salmonid distribution: Water Resource Inventory areas 3 and 4 (Skagit and Samish River Watersheds). Washington State Conservation Commission. Olympia.

Dewberry, C. 2003. Unpublished Report. Snorkel survey of the Acme to Saxon Bridge section of the South Fork Nooksack River (August 2003). Submitted to the Lummi Nation.

Federal Register 64FR14308. 1999. March 24, 1999. NMFS final rule listing four Chinook salmon ESUs as threatened.

Goetz, F.A., Jeanes, E. and E. Beamer. 2004. Preliminary Draft: Bull Trout in the Nearshore. U.S. Army Corps of Engineers. Seattle District. Seattle, Washington. 143pp.

Golder Associates Inc. 2001. USACE Section 205 Cedar River Flood Damage Reduction Project: 2000 salmonid spawner survey results for lower Cedar River and constructed side-channels. Prepared for City of Renton-Surface Water Utilities by Golder Associates Inc. Redmond, WA.

Griffith, J., R. Rogers, J. Drotts, and P. Stevenson. 2001. 2001 Stillaguamish River smolt trapping project. Annual Report. Stillaguamish Tribe. Natural Resources Department, Arlington, WA.

Griffith, J., R. Rogers, J. Drotts, and P. Stevenson. 2003. 2002 Stillaguamish River smolt trapping project. Annual Report. Stillaguamish Tribe. Natural Resources Department, Arlington, WA.

Haring D. 2002. Salmonid habitat limiting factors: Snohomish River watershed, water resources inventory area 7. Final Report. Washington State Conservation Commission. Olympia, Washington.

Haring, D. 2000. Salmonid habitat limiting factors: water resources inventory area 15(east). Washington State Conservation Commission. Olympia, Washington

Haring, D. 2001. Salmonid habitat limiting factors: Yakima River watershed: water resources inventory area 37-39. Final Report. Washington State Conservation Commission. Olympia, Washington. 364pp.

Haring, D. 2001. Salmonid habitat limiting factors: water resources inventory area 37-39. Final Report. Washington State Conservation Commission. Olympia, Washington.

Haring, D. and J. Konovsky. 1999. Salmonid habitat limiting factors: water resources inventory area 13. Final Report. Washington State Conservation Commission. Olympia, Washington.

HDR Inc. 2001. Appendix D: Grays Harbor native char: a literature review In Native char utilization: Lower Chehalis River and Grays Harbor estuary, Aberdeen, Washington. HDR Inc., Bellevue, Washington. Prepared for the US Army Corps of Engineers, Seattle District. 9p.

Hoh Tribe. 1995. Unpublished Data. Occurrence of redds in the mainstem Hoh River, 1980-1995. Data received 11/17/04 from James Jorgenson, Hoh Indian Tribe. Forks, Washington.

Issue Paper 1: Salmonid Behavior and Water Temperature, Prepared as Part of EPA Region 10 Temperature Water Quality Criteria Guidance Development Project. EPA-910-D-01-001, May 2001.

Issue Paper 2: Salmonid Distribution and Temperature, Prepared as Part of EPA Region 10 Temperature Water Quality Criteria Guidance Development Project. EPA-910-D-01-002, May 2001.

Issue Paper 3: Spatial and Temporal Patterns of Stream Temperature, Prepared as Part of EPA Region 10 Temperature Water Quality Criteria Guidance Development Project. EPA-910-D-01-003, May 2001.

Issue Paper 4: Temperature Interaction, Prepared as Part of EPA Region 10 Temperature Water Quality Criteria Guidance Development Project. EPA-910-D-01-004, May 2001.

Issue Paper 5: Summary of Technical Literature examining the Physiological Effects of Temperature on Salmonids, Prepared as Part of EPA Region 10 Temperature Water Quality Criteria Guidance Development Project. EPA-910-D-01-005, May 2001.

Jamestown S'Klallam Tribe. 2004. Unpublished Data. Chinook spawning start/peak/end dates in the Dungeness River, 1986-2002. Unpublished data supplied by J. Humphries, Jamestown S'Klallam Tribe.

Johnson, A., K. Macdonald, and P. Trotter. 2003. Programmatic biological effects analysis: King County river management program. Prepared for King County Department of Natural Resources and Parks, Water and Land Resources Division. Seattle, Washington.

Kalispell Tribe. Unpublished Data. Continuous stream temperature data recorded from streams within WRIA 62. Provided by John Gross, Kalispell Indian Tribe, Washington.

Kalispell Tribe. 2005a. Unpublished Data. Continuously recorded temperature data collected from streams within WRIA 62 collected 2002-2003. Data provided by J. Gross, Kalispell Tribe, Spokane, WA.

Kalispell Tribe. 2005b. Unpublished Data. Grab sample temperature data collected from Upper Tacoma Creek within WRIA 62 collected 2002-2004. Data provided by J. Gross, Kalispell Tribe, Spokane, WA.

Karp, C. W. Larrick, M. Johnson, and T. Dick. December 2003. Summary of Upper Yakima River Steelhead Movements, Winter 2002/2003. U.S. Bureau of Reclamation.

Karp, C. W. Larrick, M. Johnson, and T. Dick. February 2005. Steelhead Movements in the Upper Yakima Basin, Winter 2003/2004. Technical Memorandum 8290-05-01. U.S. Bureau of Reclamation.

Kerwin, J. 1982. Juvenile steelhead emergence timing as related to 1981 thermograph data. Memorandum to Fisheries Sub-committee, NRCC. March 23, 1982. Nisqually Indian Tribe.

Kerwin, J. 1999. Salmon and steelhead habitat limiting factors: water resources inventory area 11. Final Report. Washington State Conservation Commission. Olympia, Washington.

King County and Washington State Conservation Commission. 2000. Habitat limiting factors and reconnaissance assessment report: Green/Duwamish and central Puget Sound Watershed (Water Resources Inventory Area 9 and Vashon Island). King County Department of Natural Resources and Parks-Water and Land Resources Division. Seattle, WA. Available at: <http://dnr.metrokc.gov/Wrias/9/recon.htm>

King County DNR. 2000. 1997 Volunteer Salmon Watcher Program in Lake Washington Watershed. King County Department of Natural Resources.

King County. 1998. Watershed Management Committee. Lower Cedar River Basin and Non Point Pollution Action Plan. King County Department of Natural Resources, and Washington State Department of Ecology.

Kraemer, C. 2003 (January). Lower Skagit bull trout: age and growth information developed from scales collected from anadromous and fluvial char. Management Brief. Washington Department of Fish and Wildlife, Mill Creek Office.

Kuttel, M., Jr. 2002. Salmonid habitat limiting factors: water resources inventory area 14, Kennedy-Goldsborough Basin. Washington State Conservation Commission. Olympia, Washington.

Kuttel, M., Jr. 2003. Salmonid habitat limiting factors: water resources inventory area 15(west), Kitsap Basin and 14 (north), Kennedy-Goldsborough Basin. Washington State Conservation Commission. Olympia, Washington.

Ladley, R.C., B. E. Smith, M.K. MacDonald, and T.W. Nelson. 2000. Migration timing and distribution of White River Chinook. Puyallup Tribal Fisheries, Puyallup Tribe of Indians. Puyallup, Washington.

Lautz, Kevin. 2000. Salmon and steelhead habitat limiting factors in the WRIA 31. Washington State Conservation Commission. Lacey, Washington.

Leischner, F. 2000. An assessment of salmon habitat for protection and restoration efforts in the McLane Creek Watershed. Thurston Conservation District. Thurston County, Department of Water and Waste Management.

Lower Elwha S'Klallam Tribe. 1996. Unpublished data. Continuous recorded water temperature measurements of the Little River. Data provided by Mike McHenry, Lower Elwha S'Klallam Tribe, Port Angeles, Washington.

Lower Elwha S'Klallam Tribe. 2003. Unpublished data. Pink salmon spawning surveys of Morse Creek. Data provided by Mike McHenry, Lower Elwha S'Klallam Tribe, Port Angeles, Washington.

Marks, E., B. Smith, R. Ladley, and T. Sebastian. 2004. 2003-2004 annual salmon, steelhead, and char report: WRIA 10 Puyallup/White River watershed. Puyallup Tribal Fisheries, Puyallup Tribe of Indians. Puyallup, Washington.

Marks, E., R. Ladley, B. Smith, and T. Sebastian. 2003. 2002-2003 annual salmon, steelhead, and char report: Puyallup and White River watershed. Puyallup Tribal Fisheries, Puyallup Tribe of Indians. Puyallup, Washington.

Marks, E., T. Sebastian, R. Ladley, and B. Smith. 2002. 2001-2002 annual salmon, steelhead, and char report: Puyallup River watershed. Puyallup Tribal Fisheries, Puyallup Tribe of Indians. Puyallup, Washington.

Marshall, A., C. Smith, R. Brix, W. Dammers, J. Hymer, and L. LaVoy. 1995. Genetic diversity units and major ancestral lineages for Chinook salmon in Washington. Technical Report. State of Washington, Department of Fish and Wildlife, Fish Management Program, Resource Assessment Division. Olympia Washington

Maudlin, M., T. Coe, N. Currence, and J. Hansen. 2002. Unpublished Report. South Fork Nooksack River Acme-Saxon reach restoration planning: analysis of existing information and preliminary recommendations. Lummi Natural Resources Department and Nooksack Indian Tribe Natural Resource Department.

Mendel, G., J. Trump, and D. Karl. 2002 (Dec). Assessment of salmonids and their habitat conditions in the Walla Walla River Basin within Washington: 2001 Annual Report. Submitted to USDOE project # 199802000, Contract # 00004616. Washington Department of Fish and Wildlife. Dayton, WA.

Muckleshoot Indian Tribe. Unpublished data. Analysis of WDFW spawner data base data to estimate calendar date of steelhead swim-up. Uses model of 1100 thermal units

generated by Dennis Moore, Hatchery Manager, Muckleshoot Indian Tribe. Analysis performed by Eric Warner, Muckleshoot Indian Tribe. Auburn, Washington.

Muckleshoot Indian Tribe. Unpublished Data. Muckleshoot Indian Tribe, Analysis of WDFW Spawner Database. Muckleshoot Indian Tribe. Auburn, Washington.

Nisqually Tribe. 1984. Unpublished Data. Nisqually basin temperature data. Received from George Walter, Nisqually Tribe. Olympia, Washington.

NOAA. 2000. Draft. Recovery planning guidance for technical recovery teams. Available at <http://research.nwfsc.noaa.gov/trt/guidanc9.pdf>

NOAA. 2003. Unpublished Data. Snorkel surveys of North Fork Stillaguamish River (RM 25.1-21.2) conducted by George Pess in August or September each year, 1996-2003. National Oceanic and Atmospheric Administration, Seattle, WA.

Nooksack Tribe. 2003. Unpublished Data. Seine data collected in 2002 from Mainstem. Nooksack Tribe Natural Resource Department. Deming, Washington.

Nooksack Tribe. 2003. Unpublished Data. Smolt counts collected from Nooksack River trap. Nooksack Tribe Natural Resource Department. Deming, Washington.

Nooksack Tribe. 2004. Unpublished Data. Char catch in Hovander (mainstem Nooksack, rm 4.8) smolt trap, 1994-2003. Nooksack Tribe. Natural Resources Department. Deming, Washington.

Northwest Power Planning Council. 2001. Draft. Wenatchee subbasin summary. Berg, L. Editor. Prepared by 38 members of Interagency contributors (Dave Fast, Team Leader). Northwest Power Planning Council. Portland, Oregon.

Northwest Power Planning Council. 2002. Draft. Wenatchee subbasin summary. Berg, L. and D. Lowman Editors. Prepared by 18 members of Interagency contributors (M. Kaputa and S. M. Walker Team Leaders). Northwest Power Planning Council. Portland, Oregon.

Oregon Department of Fish and Wildlife. 1997. Status of Oregon's bull trout. Oregon department of Fish and Wildlife, Fish Division. Portland. 168pp.

Parametrix, Inc. 1982. Juvenile salmonid study. Prepared for the Port of Seattle, Washington.

Pfundt, A. 2004. Unpublished Draft. Salmon smolt catch by a rotary screw trap operated in the Nooksack River (mainstem rm 4.8) 2003. Lummi Indian Tribe, Natural Resources Department, Bellingham, WA.

Pollock, M. M., Pess G. R., T.J. Beechie, and D.R. Montgomery. (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.

Puget Sound Energy. 2003. Interim Draft. Baker River hydroelectric Project (FERC No. 2150) Washington: Aquatic Resources Working Group, Middle Skagit River salmonid spawning surveys. Aquatic Study Report A-09c. Prepared by R2 Resources Consultants, Inc. Redmond, Washington.

Puyallup Tribe. 2005. Unpublished data. Water temperature data collected from lower White River. Provided by C. Naylor, Puyallup Tribe. Puyallup Washington.  
Puyallup Tribe. Unpublished Data. Redd observation data, 1999-2004. Puyallup Tribe, Puyallup, Washington.

Puyallup Tribe. 2004. Draft Puyallup River juvenile Chinook salmon residence time study 2004. Prepared by Grette Associates, Environmental Consultants. Puyallup Tribe, Puyallup, Washington.

Roberts, M. 2003. Deschutes River, Capitol Lake, Budd Inlet TMDL quarterly progress report #2 (July through September 2003). Memorandum to Chris Hempleman. Supplied by J. Konovsky, Squaxin Island Tribe, 10/2004.

Seiler, D., G. Volkhardt, and L. Kishimoto. 2003. Evaluation of Downstream Salmon Production in 1999 and 2000 from Three Lake Washington Tributaries: Cedar River, Bear Creek, and Issaquah Creek. Washington Department of Fish and Wildlife, Fish Program, Science Division. Olympia, Washington.

Seiler, D., Volkhardt, G., Murdoch, A. Hawkins, S., Fuss, H. and B. Ehinger. 2002. 2002 Index watershed salmon recovery monitoring report. Washington Salmon Recovery Funding Board. Washington Department of Ecology Publication No. 02-03-061. Olympia, Washington.

Shaklee, J.B., J. Ames, and D. Hendrick. 1995. Genetic diversity units and major ancestral lineages for pink salmon in Washington. Washington State Department of Fish and Wildlife, Fish Management Program, Resource Assessment Division. Olympia, Washington.

Smith, C.J. 2001. Salmon and steelhead habitat limiting factors: Water Resources Inventory Areas 3 and 4. Washington State Conservation Commission. Lacey, Washington.

Smith, C.J. 2000. Salmon and steelhead habitat limiting factors in the north western coastal streams of WRIA 20. Washington State Conservation Commission. Lacey, Washington.

Smith, C.J. and M. Wenger. 2001. Salmon and steelhead habitat limiting factors: Chehalis basin and nearby drainages Water Resource Inventory Areas 22 and 23, Final Report Washington State Conservation Commission. Lacey, Washington.

Squaxin Island Tribe. 2004. Unpublished Data. Coho smolt outmigration estimates for Cranberry, Mill, Goldsborough, Skookum, Johns, and Sherwood creeks for 1999-2004. Data Supplied by Jon Konovsky, Squaxin Island Tribe. Shelton, Washington.

Squaxin Island Tribe. 2004. Unpublished Data. Temperature data for McLane, Skookum, Coulter, and Goldsborough creeks, summer 2003. Data Supplied by Jon Konovsky, Squaxin Island Tribe. Shelton, Washington.

Stillaguamish Tribe. 2004 (Sept). 2003 Stillaguamish River smolt trapping project. Annual Report. Stillaguamish Tribe. Natural Resources Department, Arlington, WA.

Stillaguamish Tribe. 2004. Unpublished Data: Old channel of Stillaguamish River seine data 2002-2004 (RM 1.4-8.6). Provided by Jody Brown, Stillaguamish Tribe, Natural Resources Department, Arlington, WA.

Sullivan, K, Duncan, S.H., Bisson, P.A., Heffner, J.T., Ward, J.W., Bilby, R.E., and J.L. Nielsen. 1987. A summary of the Deschutes River basin: sediment, flow, temperature, and fish habitat. Technical Report. Weyerhaeuser Company, Project No. 044-5002. Tacoma, Washington.

Technical Synthesis: 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-D-01-007, May 2001.

Tyler, R.W. 1980. Nisqually River juvenile salmonid study. Final Report submitted to City of Tacoma and City of Centralia. University of Washington, College of fisheries, Fisheries Research Institute. Seattle, Washington.

Upper Skagit Indian Tribe. 2004. Unpublished Data. Spawner survey data collected in Samish River, Silver Creek, and Bear/Friday Creeks. Submitted 10/14/2004 by Jon-Paul Shanahan, Upper Skagit Indian Tribe.

U.S. Army Corps of Engineers. Unpublished Data. Buckley Fish Trap data provided by Muckleshoot Tribe. Auburn, Washington.

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.

US Fish and Wildlife Service. 2004. Unpublished Data. Bull Trout redd counts from streams in the Upper Columbia Basin, 1988-2004 . Data collected by both USFWS and

USFS. Data provided by Judy De La Vergne, USFWS, Central Washington Field Office, Wenatchee.

US Fish and Wildlife Service. 1981. Distribution and food habits of juvenile salmonids in the Duwamish Estuary, Washington, 1980.

US Fish and Wildlife Service. 2004a (May). Draft recovery plan for the Coastal-Puget Sound distinct population segment of bull trout (*Salvelinus confluentus*), Volume I (of II) Puget Sound management unit. U.S. Fish and Wildlife Service. Portland, Oregon,.

US Fish and Wildlife Service. 2004b (May). Draft recovery plan for the Coastal-Puget Sound distinct population segment of bull trout (*Salvelinus confluentus*), Volume II (of II) Olympic Peninsula management unit. U.S. Fish and Wildlife Service. Portland, Oregon.

US Fish and Wildlife Service. 2002. Draft recovery plan for the Columbia River/Klamath River bull trout (*Salvelinus confluentus*). U.S. Fish and Wildlife Service. Portland, Oregon.

US Forest Service. 2003. Early Winters watershed aquatic species biological assessment for new and ongoing projects. Prepared by J. Haskins and D. Hopkins. Okanogan –Wenatchee National Forest.

US Forest Service. 1998. Biological assessment of riparian and aquatic habitat restoration in Early Winters Creek. Prepared by Jennifer Molesworth. Methow Valley Ranger District, Okanogan National Forest.

US Forest Service. 1999. Unpublished data: snorkel survey data of lower Early Winters Creek, 1999. Provided by Jennifer Molesworth. Methow Valley Ranger District, Okanogan National Forest.

US Geological Survey. 2004. USGS Data: Daily maximum temperature data for Station 12119000 at RM 1.6 (lower Cedar River), 1991-2003. Data provided by L. A. Fuste. USGS, Water Resource Division, Tacoma, WA. (data used for calculations of 7DADM provided by Nancy Rapin, Muckleshoot Tribe).

Warner, E.J. and R.L. Fritz. 1995. The distribution and growth of Green River Chinook Salmon (*Oncorhynchus tshawytscha*) and chum (*Oncorhynchus keta*) outmigrants in the Duwamish estuary as a function of water quality and substrate. Muckleshoot Indian Tribe, Fisheries Department, Water Resources Division. Auburn, Washington.

Washington State Conservation Commission. 1999. Salmon habitat limiting factors analysis: water resources inventory area 5 Stillaguamish watershed. Washington State Conservation Commission. Olympia, Washington.

Washington State Department of Ecology. March 2005. Unpublished Data. RE: Stream temperature incremental changes related to seasonal warming and cooling. Data

provided by Andrew Kolosseus, Washington State Department of Ecology. Olympia, Washington.

Washington State Department of Ecology. 2001. Teanaway Temperature Total Maximum Daily Load: submittal report. Publication No. 01-10-019. Olympia, Washington.

Washington State Department of Ecology. 2000. Teanaway River Basin Temperature Pilot Technical Assessment. Publication No. 00-03-015. Olympia, Washington.

Washington Department of Ecology. 2000. Simpson Northwest Timberlands temperature total maximum daily load: submittal report. Publication No. 00-10-047. Washington Department of Ecology, Olympia.

Watershed Sciences, LLC. 2004. Aerial surveys of Mill, Cranberry, and Johns Creeks: thermal infrared and color videography. Reported to Squaxin Island Tribe. Shelton, Washington.

WDFW and Point No Point Treaty Tribes. 2001. Summer chum salmon conservation initiative: an implementation plan to recover summer chum in the Hood Canal and Strait of Juan de Fuca Region. Supplemental Report No. 3. Annual Report for the 2000 summer chum salmon return. Washington Department of Fish and Wildlife. Olympia, Washington.

WDFW. 2004a. Unpublished Data. Spawner survey data of Burley, Sherwood, Johns, and Coulter creeks (WRIAs 14 and 15). Collected by Bill Evans, WDFW. Data supplied by John Konovsky, Squaxin Island Tribe.

WDFW. 2004b. Unpublished Data. Steelhead spawning surveys of index reaches of streams in WRIA's 18 and 19, 1998-2004. Unpublished data supplied by Randy Cooper, Washington Department of Fish and Wildlife. Port Townsend, Washington.

WDFW. 2004c. Unpublished Data. Bull trout juvenile data collected at smolt trap at mouth of Chiwawa River (WRIA 45). Data supplied by Steve Schonning, WDFW, Wenatchee Office.

WDFW. 2000. Unpublished Data. Smolt outmigration data collected from screw trap located at RM 4.9. Data supplied by Char Naylor, Puyallup Indian Tribe. Puyallup, Washington.

WDFW. 1999. Unpublished Data. Aerial redd count data for the Green River. Collected by Tom Cropp, Washington Department of Fish and Wildlife. Olympia. Data provided by the Muckleshoot Tribe.

WDFW. 1998. Washington State Salmonid Stock Inventory: bull trout/Dolly Varden. Washington Department of Fish and Wildlife, Fish Program. Olympia. 437pp.

WDFW. Unpublished Data. Lower Skagit screw trap data 1995-1998. Steve Neuhauser, WDFW, Olympia, Washington.

Whiley, A.J. and G. Walter. 2000. The review and analysis of water quality for the Nisqually River and the major lakes of the Nisqually Basin. Nisqually Natural Resources, Water Quality Program. Technical Report #6. Nisqually Indian Tribe.

Wild Salmon Center. 2005. Unpublished Data. Instantaneous temperature measurements of the South Fork Hoh River collected 9 times between October 2000 and May 2005. Data provided by John McMillan, Wild Salmon Center, PO Box 2331, Forks, WA.

Yakama Indian Tribe. 2004. Unpublished Data. Counts of bull trout captured at the Nason Creek trap. Data provided by Scott Prevatte, Yakama Indian Tribe. Toppenish WA.

#### Databases/GIS data/websites:

Washington Department of Fisheries, Washington Department of Wildlife, and the Western Washington Treaty Indian Tribes (1993). 1992 Washington State salmon and steelhead stock inventory (SASI). Olympia, Washington, Fish Program, Washington Department of Fisheries.

Washington Department of Fish and Wildlife (WDFW). 2004. Salmon Spawning ground survey database.

WDFW Washington Lakes and Rivers Information System. Fish distribution database. Fish Program, Washington Department of Fish and Wildlife. Olympia, Washington.

Washington Department of Ecology. Draft spatial data representing surface water quality standards. Chapter 173-201A WAC. Washington Administrative Code. State of Washington.

Salmonscape (2004). Interactive database. Fish Program, Washington Department of Fish and Wildlife. Olympia, Washington.

#### Personal Communication:

Anderson, E. 11/22/05. Pers. Comm. to Lil Herger (email) regarding bull trout redd observation dates in WRIs 37, 38, and 39. Dates of earliest redds observed derived from review of redd survey records 1984-2004. WDFW, Region 3 Office, Yakima.

Brenkman, Sam. 6/14/05. Pers. Comm. to Lil Herger (telephone) regarding presumed spawning of a radio tagged bull trout in the Hoh mainstem just above the confluence of the South Fork Hoh River. Olympic National Park, Port Angeles, Washington.

Huddle, Doug. 04/20/05. Pers. Comm. to Ned Currence (Nooksack Tribe) regarding salmonid use in Sumas drainage and selected independent drainages to Strait of Georgia. Washington Department of Fish and Wildlife. Received by Lil Herger, USEPA via e-mail 5/09/05.

Bachen, B. 6/22/05. Pers. Comm. to Lil Herger (email). Completion of the Landsburg fish passage facility on the Cedar River (WRIA 10). Seattle Public Utilities, Seattle.

Brown, Jody. 10/2004. Pers. Comm. from Pat Stevens (coworker) regarding upstream migration period for Chinook (email forwarded to Lil Herger). Stillaguamish Tribe, Natural Resources Department, Arlington, WA.

Brown, Jody. 5/10/05. Pers. Comm. to Lil Herger (email). Use of Fish Creek and Church Creek by coho smolts. Stillaguamish Tribe, Natural Resources Department, Arlington, WA.

Bryne, Jim. 11/17/05. Pers. Comm. to Lil Herger (email and phone). Comments on early bull trout spawning in Rush, Pine, and Cougar creeks and bull trout presence in other waters in WRIA 27. Washington Department of Fish and Wildlife.

Cooper, Randy. 11/22/04. Pers. Comm. to Jennifer Hagen (email). Comments on winter steelhead spawning duration based on spawning index reach surveys conducted in streams of the Strait of Juan de Fuca. Washington Department of Fish and Wildlife.

Cropp, Tom. 11/04. Pers. Comm. to Nancy Rapin, Muckleshoot Tribe. Regarding presents of pink salmon in the Green River. Washington Department of Fish and Wildlife. Olympia.

Currence, Ned. 1/26/05. Pers. Comm. to Martha Jensen (email). Screw trap data for mainstem Nooksack for char at rm 4.8. Received by Lil Herger 1/26/05. Nooksack Indian Tribe. Deming, Washington.

Currence, Ned. 4/14/05. Pers. Comm. to Lil Herger (email). Comments on distribution of Steelhead spawners in lower Nooksack River tributaries and coastal tributaries of WRIA 1. Nooksack Indian Tribe. Deming, Washington.

De La Vergne, J. 5/5/05. Pers. Comm. to Lil Herger (email). Comments on bull trout distribution by life history phase in WRIsAs 37 and 38 (S. F. Tieton River, N. F. Ahtanum Creek, and Rattlesnake Creek). USFWS, Central Washington Field Office, Wenatchee.

De La Vergne, J. 7/20/05. Pers. Comm. to Martha Jensen (email) forwarded to Lil Herger. Comments on WRIA's 37-45 including: distribution of adult bull trout in Ingalls Creek, and Taneum stream temperatures. USFWS, Central Washington Field Office, Wenatchee.

De La Vergne, J. 7/15/05. Pers. Comm. to Martha Jensen (email) forwarded to Lil Herger. Comments on WRIA's 39, 45, 46 bull trout spawning timing. USFWS, Central Washington Field Office, Wenatchee.

De La Vergne, J. 7/29/05. Pers. Comm. to Martha Jensen (email) forwarded to Lil Herger. Comments on WRIA's 48 bull trout spawning timing. USFWS, Central Washington Field Office, Wenatchee.

De La Vergne, J. 10/06/05. Pers. Comm. to Lil Herger (email) regarding bull trout spawning timing in Panther Cr. and White R. (WRIA 45). USFWS, Central Washington Field Office, Wenatchee.

De La Vergne, J. 10/10/05. Pers. Comm. to Lil Herger (email) regarding bull trout spawning timing in upper Yakima basin (WRIA 39). This information based is on her conversations with Eric Anderson (WDFW). USFWS, Central Washington Field Office, Wenatchee.

Jackson, Chad. 6/23/05. Pers. Comm. to Scott Chan (USFWS) forwarded to Lil Herger by Martha Jensen (USFWS) regarding bull trout spawning timing in the Skykomish River system. Washington Department of Fish and Wildlife. Olympia.

Karp, Cathy. 2/8/06. Pers. Com. 2/8/06. 3/2/06 e-mail forwarded to John Palmer (EPA) from David Kaumheimer (BOR) summarizing Karp et. al. steelhead studies on the Yakima River conducted for the U.S. Bureau of Reclamation. Fisheries Application Research.

Kruger, K. 2/22/05. Pers. Comm. to Lil Herger (email) regarding use of Dickey river system by steelhead and coho. Quileute Indian Tribe. La Push, Washington.

Konovsky, John. 11/16/04. Pers. Comm. to Lil Herger (email). September spawning of chum salmon in Coulter and Rocky creeks. Squaxin Island Tribe. Shelton, Washington.

Konovsky, John. 02/01/05. Pers. Comm. to Lil Herger (email). Chum spawner surveys and spawning timing in WRIA 14. Squaxin Island Tribe. Shelton, Washington.

Konovsky, John. 07/20/05. Pers. Comm. to Lil Herger regarding downstream distribution of rearing coho in the Deschutes River (WRIA 13). Squaxin Island Tribe. Shelton, Washington.

Ladley, Russ. 12/13/04. Pers. Comm. to Lil Herger (email). Comments on observations of redd construction period by Chinook in the Diversion Reach (to R street in Auburn). Puyallup Tribal Fisheries. Puyallup, Washington.

Ladley, Russ. 12/8/04. Pers. Comm. to Eron Drew (email) forwarded to Lil Herger. Observation of pinks in WRIA 10. Puyallup Tribal Fisheries. Puyallup, Washington.

Mahoney, Brian. 11/28/05. Personal Communication to Lil Herger (email) regarding spawning distribution of spring Chinook in Mill Creek (tributary to Walla Walla, W32). Confederate Tribes of the Umatilla Indian Reservation.

McMillan, John. 6/15/05. Personal Communication to Lil Herger (email) regarding observation of bull trout on redds and juvenile bull trout in the lower South Fork Hoh River. Wild Salmon Center, PO Box 2331, Forks, WA.

Mendel, Glen. 5/4/05. Pers. Comm. to Martha Jensen (USFWS) regarding bull trout use by life history phase for drainages within WRIA 32 and WRIA 35. Southeast

Washington Fish Management, Washington Department of Fish and Wildlife, Dayton, Washington. Received by Lil Herger via e-mail 5/5/05.

Mendel, Glen. 11/18/05. Pers. Comm. to Lil Herger (email) regarding known bull trout spawning in the mainstem Tucannon River to confluence of Little Tucannon River. Southeast Washington Fish Management, Washington Department of Fish and Wildlife, Dayton, Washington.

Mendel, Glen. 11/18/05. Pers. Comm. to Lil Herger (email) regarding known bull trout early spawning in the upper North Fork Wenaha River. Southeast Washington Fish Management, Washington Department of Fish and Wildlife, Dayton, Washington.

Mendel, Glen. 11/23/05. Pers. Comm. to Lil Herger (telephone) regarding known bull trout early spawning in the Tucannon River, Crooked Creek, Butte Creek, Asotin Creek. Southeast Washington Fish Management, Washington Department of Fish and Wildlife, Dayton, Washington.

Mendel, Glen. 11/28/05. Pers. Comm. to Lil Herger (email, hard copy mail) regarding known bull trout spawning in the Wolf Fork Touchet, and other waters of WRIA 32. Southeast Washington Fish Management, Washington Department of Fish and Wildlife, Dayton, Washington.

Mendel, Glen. 9/13/05. Pers. Comm. to Dick O'Connor regarding fry emergence timing of Touchet and Walla Walla steelhead stocks (WRIA 32). Southeast Washington Fish Management, Washington Department of Fish and Wildlife, Dayton, Washington.

Naylor, Char. 3/24/05. Pers. Comm. to Lil Herger (email) regarding temperature regime and temperature data for the lower White River. Puyallup Indian Tribe.

O'Connor, D. 11/05. Pers. Comm. to Lil Herger (email). Comment list from WDFW meeting conducted Sept. 13 Region 1 Office indicating local biologists opinion on low flow barriers in Harvey Creek of WRIA 62. WDFW, Olympia.

O'Connor, D. 11/05. Pers. Comm. to Lil Herger (email). Comment list from WDFW meeting conducted Nov. 4<sup>th</sup> Region 6 Office indicating Curt Holtz (local WDFW biologist) comment on spawning timing of Chinook in S. F. Chehalis (WRIA 23). WDFW, Olympia.

O'Connor, D. 11/05. Pers. Comm. to Lil Herger (email). Comment list from WDFW meeting conducted Oct. 17<sup>th</sup> Region 3 Office indicating local biologists opinion on spawning timing of fall Chinook in the Palouse River (WRIA 34). WDFW, Olympia.

Peterschmidt, Caroline. 11/17/04. Pers. Comm. to Lil Herger (telephone). Comment that no other species spawn in the summer period that would warrant the 13°C temperature standard (telephone conversation). Makah Tribe, Neah Bay, Washington.

Rapin, Nancy. 4/15/05. Pers Comm. to Lil Herger. Dredging frequency of the lower Cedar River. Muckleshoot Tribe. Auburn, Washington.

Rapin, Nancy. 11/2004. Pers Comm. to Lil Herger. Importance of Green River reach to spawning fall Chinook. Muckleshoot Tribe. Auburn, Washington.

Snow, Charlie. 4/13/2005/ Pers. Comm. to John Palmer (email) regarding Chinook and steelhead spawning timing and distribution in WRIA 48. Washington Department of Fish and Wildlife, Twisp, Washington.

Torretta, Gary. 9/23/05. Pers. Comm. to Eric Anderson (WDFW), received by L. Herger USEPA 5/10/05. Presence of bull trout and possible spawning in mainstem Rattlesnake Creek (WRIA 38). USDA Forest Service, Wenatchee National Forest.

Warner, Eric. 2/15/05. Pers. Comm. to Lil Herger regarding use of lower Cedar River by adult Chinook and sockeye in August. Muckleshoot Tribe. Auburn, Washington.