

List of Citations for *Federal Register* Notice Describing Final Listing Determinations for 10 Distinct Population Segments of West Coast Steelhead (*Oncorhynchus mykiss*) (December 2005)

Literature Citations

- Adams, P. 2000. Status review update for the steelhead Northern California Evolutionarily Significant Unit (ESU). 14 pp. Available on the Internet at: http://161.55.76.129/Publications/Biological-Status-Reviews/upload/SR2000steelhead.pdf.
- Ardren, 2003. Genetic analyses of steelhead in the Hood River, Oregon: Statistical analyses of natural reproductive success of hatchery and natural-origin adults passed upstream of Powerdale Dam. Draft report to Bonneville Power Administration in partial fulfillment of BPA contract no. 00013429. 04/18/2003. 14 pp.
- Behnke, R. J. 2002. Comment: First documented case of anadromy in a population of introduced rainbow trout in Patagonia, Argentina. Transactions of American Fisheries Society 131: 582-585.
- Blouin, M. 2003. Relative reproductive success of hatchery and wild steelhead in the Hood River. Final report to Bonneville Power Administration and Oregon Department of Fish and Wildlife, Portland, OR.

Buckley, RV (1967) Fecundity of steelhead trout (Salmo gairdneri) from Alsea

- River, Oregon. Journal of the Fisheries Research Board of Canada 24, 917 -926
- Burgner, R.L, J.T. Light, L. Margolis, T. Okazaki, A Tautz, and S. Ito. 1992.
 Distribution and origins of steelhead trout (*Oncorhynchus mykiss*) in offshore waters of the North Pacific. International North Pacific Fisheries Commission Bulletin Number 51, 92 p.
- Busby, P. J., T. C. Wainwright, G. J. Bryant, L. Lierheimer, R. S. Waples, F. W. Waknitz, and I. V. Lagomarsino. 1996. Status review of west coast steelhead from Washington, Idaho, Oregon, and California. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-NWFSC-27, 261p. Available on the Internet at: http://www.nwfsc.noaa.gov/pubs/tm/tm27/tm27.htm
- Busby, P. J., T. C. Wainwright, G. J. Bryant, L. Lierheimer, R. S. Waples, F. W. Waknitz, and I. V. Lagomarsino. 1997. Status review update of west coast steelhead from Washington, Idaho, Oregon, and California. Available on the Internet at: http:// 161.55.76.129/Publications/Biological-Status-Reviews/upload/SR1997-steelhead1.pdf^{*}).

- Busby, P. J., T. C. Wainwright, G. J. Bryant, L. Lierheimer, R. S. Waples, F. W. Waknitz, and I. V. Lagomarsino. 1999. Updated status review of Upper Willamette and Middle Columbia River ESUs of steelhead. Available on the Internet at: http://161.55.76.129/Publications/Biological-Status-Reviews/upload/SR1999-steelhead.pdf').
- Chilcote, M. W. 1976. Genetic comparison of Deschutes River steelhead and rainbow trout at selected enzyme loci. M.S. Thesis, Oregon State Univ. Corvallis, OR.
- Cramer, S.P., D.B. Lister, P.A. Monk, B.J. Pyper, K.L. Witty. 2004. Viability of the Middle Columbia steelhead ESU. Prepared for Yakima Basin Joint Board, S.P. Cramer and Assoc., Inc. November 2004. 99 pp.
- Cramer, S.P., D. B. Lister, P.A. Monk, and K.L. Witty. 2003. A review of abundance trends, hatchery and wild fish interactions, and habitat features for the Middle Columbia River steelhead ESU. Prepared for Mid Columbia Stakeholders by S.P. Cramer and Assoc., Inc. March 2003. 95 pp.
- Currens, K. P., S. L. Stone, and C. B. Schreck. 1987. A genetic comparison of rainbow trout (Salmo gairdneri) above and below Izee Falls in the John Day River, Oregon. Oregon Coop. Fish. Res. Unit Genet. Lab. Rep. 87(2). (Available from Oregon Cooperative Fishery Research Unit, Oregon State Univ., Corvallis, OR 97331.)
- FWS (U.S. Fish and Wildlife Service) 2005. Letter from Mathew J. Hogan (Acting Director, U.S. Fish and Wildlife Service, Department of Interior) to William T. Hogarth (Administrator, NMFS) re: recommendation to consider invoking section 4(b)(6)(B)(i) of the ESA to allow for further scientific evaluation, data gathering, and debate among the scientific experts within FWS and NMFS before any final decision is made to list *O. mykiss* species. June 7, 2005. 2 pp.
- FWS (U.S. Fish and Wildlife Service) 1997. Letter from M. Spear (Regional Director, U.S. Fish and Wildlife Service, Department of Interior) to W. Stelle (Regional Administrator, NMFS) re: management issues following a potential listing of several anadromous steelhead (*O. mykiss*) Evolutionarily Significant Units (ESUs) under the ESA. July 29, 1997. 3 pp.
- Good, T. P., R. S. Waples, P. Adams. (eds.) 2005. Updated status of Federally listed ESUs of West Coast salmon and steelhead. U.S. Dept. of Commerce, NOAA Tech. Memo., NMFS-NWFSC-66, 598 p. Available on the Internet at: http://www.nwfsc.noaa.gov/publications/displayallinfo.cfm?docmetadataid=6226
- Jody Hey (Chair); Ernest L. Brannon; Donald E. Campton; Roger W. Doyle; Ian A.
 Fleming; Michael T. Kinnison; Russell Lande; Jeffrey Olsen; David P. Philipp;
 Joseph Travis; Chris C. Wood; Holly Doremus (Facilitator). 2005. Draft Report Considering Life History, Behavioral, and Ecological Complexity in Defining
 Conservation Units for Pacific Salmon. An independent panel report, requested
 by NOAA Fisheries. May 16, 2005. 32 p.
- ISAB (Independent Scientific Advisory Board) 2005. Viability of ESUs Containing Multiple Types of Populations. ISAB 2005-2. April 8, 2005. 50 p. Available on the Internet at: http://www.nwppc.org/library/isab/isab2005-2.htm

- Kostow, K. 2003. Factors that influence Evolutionarily Significant unit Boundaries and status assessment in a highly polymorphic species, *Oncorhynchus mykiss*, in the Columbia Basin. ODFW Information Report #2003-04, Oregon Dep. Fish Wildl., Portland, OR.
- LeBrasseur, R.J., 1966. Stomach contents of salmon and steelhead trout in the northeastern Pacific ocean.. J. Fish. Res. Board can. 23:85-100.
- Leider, S. A., S. R. Phelps, and P. L. Hulett. 1995. Genetic analysis of Washington steelhead: Implications for revision of genetic conservation management units. Wash. Dept. Fish Wildl. Prog. Rep., 21 p. (Available from Washington Department of Fish and Wildlife, Fish Management Program, 600 Capitol Way N, Olympia, WA 98501.)Marshall, A.R., M. Small, and S. Foley. 2004. Genetic relationships among anadromous and non-anadromous *Oncorhynchus mykiss* in Cedar River and Lake Washington implications for steelhead recovery planning. Progress report to Cedar River Anadromous Fish Committee and Seattle Public Utilities, Washington Department of Fish and Wildlife, Olympia and Mill Creek, WA, June 2004.
- McGregor, I. A. Freshwater biology of Thompson River steelhead (*Salmo gairdneri*) as determined by radio telemetry. M. S. Thesis. University of Victoria, BC, Canada. (1986).
- Meka, J.M., E.E. Knudsen, and D. C. Douglas. Alagnak Watershed Rainbow Trout Seasonal Movement. U.S. Geological Survey, Biological Resources Division, Alaska Biological Science Center ,1011 East Tudor Rd., Anchorage, AK 99503.
 6 pp.
- Moyle, P.B. 1976. Inland fishes of California. University of California Press, Berkeley, California.
- Mullan, J.W., K.R. Williams, G. Rhodus, T.W. Hillman, and J.D. McIntyre. 1992.
 Production and habitat of salmonids in mid-Columbia River tributary streams.
 Monograph I, U.S. Fish and Wildlife Service, Box 549, Leavenworth, WA 98826, 489 p.
- Narum, S.R., C. Contor, A. Talbot, and M.S. Powell. 2004. Genetic divergence of sympatric resident and anadromous forms of *Oncorhynchus mykiss* in the Walla Walla River, U.S.A. J. Fish Biol. 65: 471-488.
- NMFS 2005a. Updates to the NMFS 2004b. Salmonid Hatchery Inventory and Effects Evaluation Report.
- NMFS 2005b. Biological Opinion on Impacts of Treaty Indian and Non-Indian Fisheries in the Columbia River Basin in the years 2005-2007, on Salmon and Steelhead listed Under the Endangered Species Act, Conference on Lower Columbia Coho, and Magnuson Stevens Act Essential Fish Habitat Consultation. May 9, 2005. 142 pp.
- NMFS 2005c. 2005 Report to Congress. Pacific Coastal Salmon Recovery Fund for 2000-2004. U.S Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service. July 2005. 51 pp.
- NMFS 2005d. Memorandum from S. Stone and C. Wingert (NMFS) to PRD File re: designating critical habitat for West Coast O. mykiss. December 15, 2005. 2 p.
- NMFS 2005e. Memorandum from D. Darm (Assistant Regional Administrator, NMFS) to the Record re: Satisfaction of Requirements under the Office of Management

and Budget (OMB) Peer Review Bulletin for the Final Listing Determinations for 10 Distinct Population Segments of West Coast Steelhead. December 14, 2005. 16 pp.

- NMFS 2004c. Artificial Propagation Evaluation Workshop Report. NOAA Fisheries, Northwest Region, Protected Resources Division. May 18, 2004. Available on the internet at: <u>http://www.nwr.noaa.gov/1srd/Prop_Determins/WorkshopRpt/</u>
- NMFS 2004b. Salmonid Hatchery Inventory and Effects Evaluation Report. NOAA Fisheries Northwest Region Salmon Recovery Division. May 18, 2004. Available on the internet at: <u>http://www.nwr.noaa.gov/1srd/Prop_Determins/</u> Inv_Effects_Rpt/
- NMFS 2004a. Extinction risk assessments for Evolutionarily Significant Units (ESUs) of West Coast Oncorhynchus mykiss. Memorandum for D. Robert Lohn and Rod McInnis (NOAA Fisheries Regional Administrators) from Usha Varanasi (Science and Research Director, NOAA Fisheries Northwest Fisheries Science Center). February 3, 2004. Available on the Internet at: <u>http://www.nwr.noaa.gov/1srd/Prop_Determins/CenterMemo_Re_Omykiss_0203</u> <u>04.pdf</u>NMFS 2003b. Updated status of Federally listed ESUs of West Coast salmon and steelhead. West Coast Salmon Biological Review Team. NOAA Fisheries Northwest and Southwest Fisheries Science Centers. July 31, 2003. Available on the Internet at: <u>http://www.nwr.noaa.gov/1srd/Prop_Determins/BRT_Report/</u>
- NMFS 2003a. Hatchery broodstock summaries and assessments for chum, coho and Chinook salmon and steelhead stocks within Evolutionarily Significant Units listed under the Endangered Species Act. Salmon and Steelhead Hatchery Assessment Group (SSHAG). NOAA Fisheries, Northwest and Southwest Fisheries Science Centers. Available on the Internet at: http://www.nwr.noaa.gov/1srd/Prop_Determins/FinalSSHAG_Report_0403_l.pdf
- NMFS 2003b. Updated status of Federally listed ESUs of West Coast salmon and steelhead. West Coast Salmon Biological Review Team. NOAA Fisheries Northwest and Southwest Fisheries Science Centers. July 31, 2003. Available on the Internet at: <u>http://www.nwr.noaa.gov/1srd/Prop_Determins/BRT_Report/</u>
- NMFS 1997. Status review update for deferred and candidate ESUs of West Coast steelhead. 12/19/1997. 69 pp. Available on the Internet at: http://161.55.76.129/Publications/Biological-Status-Reviews/upload/SR1997-steelhead3.pdf
- Nehlsen, Willa, Jack E. Williams, and James A. Lichatowich. 1991. Pacific Salmon at the Crossroads: Stocks at Risk from California, Oregon, Idaho and Washington. Fisheries 16:4-21.
- Nielsen, J., S. Pavey, T. Wiacek, and I. Williams. 2003. Genetic analyses of Central Valley trout populations, 1999-2003. Final Technical Report submitted December 8, 2003, California Department of Fish and Game, Sacramento, CA, and U.S. Fish and Wildlife Service, Red Bluff Fish and Wildlife Office. 43 pp.
- Pascual, M., M. Kinnison, and C. R. Rossi. 2002. First documented case of anadromy in a population of introduced rainbow trout in Patagonia, Argentina: Response to a comment. Transactions of American Fisheries Society 131:585-588.

- Pascual, M., P. Bentzen, C. R. Rossi, G. Mackey, M. T. Kinnison, and R. Walker. 2001. First documented case of anadromy in a population of introduced rainbow trout in Patagonia, Aregentina. Transactions of American Fisheries Society 130: 53-67.
- Pauley, G. B., B. M. Bortz, and M. F. Shepard. 1986. Species profiles: Life histories and environmental requirements of coastal fishes and invertebrates (Pacific Northwest)-- steelhead trout. U.S. Fish Wildl. Serv. Biol. Rep. 82(11.62), 24 p.
- Pearsons, T. N., S. R. Phelps, S. W. Martin, E. L. Bartrand, and G. A. McMichael. 1998. Gene flow between resident and anadromous rainbow trout in the Yakima Basin: Ecological and genetic evidence. Project No. 89-105. (Available from Bonneville Power Administration, Public Information Office, P.O. Box 3621, Portland, OR 97208.)
- Pearsons, T.N., S.R. Phelps, S.W. Martin, E.L. Bartrand and G.A. McMichael. 2003.
 Gene flow between resident and anadromous *Oncorhynchus mykiss* in the Yakima Basin: ecological and genetic evidence. *In* Howell, P., and D. Buchanon (editors), Proceedings of the Inland Rainbow Trout Workshop, p. 1-9. Oregon Chapter, American Fisheries Society, Princeton, OR.
- RSRP (Recovery Science Review Panel) 2005. Report on RSRP's December 2004 meeting on the relation between anadromous and resident forms of *O. mykiss* and how life form diversity affects the viability of *O. mykiss* ESUs. May 5, 2005. 18 p. Available on the Internet at: http://www.nwfsc.noaa.gov/trt/rsrp_docs/rsrpreportdec04finalwbios.pdf
- Rossi, C. M. R., C. P. Lessa, and M. A. Pascual. 2004. The origin of introduced rainbow trout (*Oncorhynchus mykiss*) in the Santa Cruz River, Argentina, as inferred from mitochondrial DNA. Canada J. Fish. Aquat. Sci. 61: 1095-1101.
- Scott, W. B. and E. J. Crossman. 1973. Freshwater fishes of Canada. Bull. Fish. Res. Board Can. 184. 966 pp.
- Shapovalov, L., and A. C. Taft. 1954. The life histories of the steelhead rainbow trout (Salmo gairdneri gairdneri) and silver salmon (Oncorhynchus kisutch) with special reference to Waddell Creek, California, and recommendations regarding their management. Calif. Dep. Fish Game Fish Bull. 98, 375 pp.
- Seamons, T.R., P. Bentzen, and T.P. Quinn. 2004. The mating system of steelhead, Oncorhynchus mykiss, inferred by molecular analysis of parents and progeny. Env. Biol. Fishes 69: 333-344.
- Thrower, F. C. Guthrie, J. Nielsen, and J. Joyce. 2004a. A comparison of genetic variation between an anadromous steelhead, *Oncorhynchus mykiss*, population and seven derived populations sequestered in freshwater for 70 years. Env. Biol. Fishes 69: 111-125.
- Thrower, F. P, J. J. Hard, and J. E. Joyce. 2004b. Genetic architecture of growth and early life history transitions in anadromous and derived freshwater populations of steelhead, Oncorhynchus mykiss. J. Fish Biol. 65 (supplement A): 286-308.
- Tyler, C.R., T.G. Pottinger, E. Santos, J.P. Sumpter, S.A. Price, S. Brooks, and J.J. Nagler. 1996. Mechanisms controlling egg size and number in the rainbow trout, Oncorhynchus mykiss. Biology of Reproduction 54: 8-15.
- Wang, J.C.S. 1986. Fishes of the Sacramento-San Joaquin Estuary and adjacent waters, California: A guide to the early life histories. Interagency Ecological Study Program for the Sacramento-San Joaquin Estuary Technical Report 9.

- Waples, R.S. (in press). Ecological, life history, and genetic diversity and the identification of conservation units of Pacific salmon.
- Wydoski, R.S., and R.R. Whitney. 1979. Inland fishes of Washington. University of Washington Press, Seattle, 220 p.
- Zimmerman, C.E., and G.H. Reeves. 2002. Identification of steelhead and resident rainbow trout progeny in the Deschutes River, Oregon, revealed with otolith microchemistry. Trans. Amer. Fish. Soc. 131:986-993.

Federal Register Notice Citations

Federal Register Citation	Subject
70 FR 37219; June 28, 2005	6-month Extension of the Final Listing Determinations for 10 Evolutionarily Significant Units of West Coast Oncorhynchus mykiss
70 FR 37204; June 28, 3005	Policy on the consideration of hatchery- origin fish in Endangered Species Act listing determinations for Pacific salmon and steelhead.
70 FR 37160; June 28, 2005	Final Listing Determinations for 16 Evolutionarily Significant Units of West Coast Salmon
70 FR 33116; June 7, 2005	120Month Finding on Petition to List the Cherry Point Stock of Pacific Herring as an Endangered or Threatened Species
70 FR 2664; January 14, 2005	Final Office of Management and Budget Information Quality Bulletin for Peer Review
69 FR 61348; October 18, 2004	Extension of Public Comment Period and Notice of Rescheduled Public Hearing on Proposed Listing Determinations for West Coast Salmonids
69 FR 54620; September 9, 2004	Notice of Public Hearings in California on Proposed Listing Determinations for West Coast Salmonids
69 FR 53031; August 31, 2004	Extension of Public Comment Period and Notice of Public Hearings in the Pacific Northwest on Proposed Listing Determinations for West Coast Salmonids
69 FR 33102; June 14, 2004	Proposed Listing Determinations for 27 ESUs of West Coast Salmonids
67 FR 79898, December 31, 2002	Status Review Updates for Snake River Sockeye Salmon and Southern California Steelhead; and Additional Information

	Request for Nine Evolutionarily Significant Units of West Coast Steelhead
67 FR 48601, July 25, 2002	Findings on a Delisting Petition, and Two Listing Petitions, Concerning 16 Evolutionarily Significant Units of Pacific Salmon and Steelhead
67 FR 6215, February 11, 2002	Findings on Petitions to Delist Pacific Salmonid ESUs
65 FR 69459; November 17, 2000	Final Endangered Status for a Distinct Population Segment of Anadromous Atlantic Salmon (<i>Salmo salar</i>)in the Gulf of Maine
65 FR 36074; June 7, 2000	Threatened status for the Northern California steelhead ESU
65 FR 6960; February 11, 2000	Proposed Threatened Status for the Northern California Steelhead ESU.
64 FR 14517; March 25, 1999	Threatened Status for Two ESUs of Steelhead in Washington and Oregon
63 FR 42587; August 10, 1998	Final rule listing the Oregon Coast coho ESU as threatened
63 FR 13347; March 19, 1998	Threatened Status for Two ESUs of Steelhead in Washington, Oregon, and California
63 FR 11798; March 10, 1998	Proposed Threatened Status for Two ESUs of Steelhead in Washington and Oregon
62 FR 43974; August 18, 1997	6-Month Extension of Final Listing Determinations for Five West Coast Steelhead ESUs.
62 FR 43937; August 18, 1997	Listing of Several Evolutionary Significant Units (ESUs) of West Coast Steelhead
61 FR 41541; August 9, 1996	Proposed Endangered Status for Five ESUs of Steelhead and Proposed Threatened Status for Five ESUs of Steelhead in Washington, Oregon, Idaho, and California
61 FR 4722; February 7, 1996	Joint NMFS-FWS Policy on the Recognition of Distinct Population Segments
59 FR 34272; July 1, 1994	Notice of Joint NMFS-USFWS Cooperative Policy for Endangered Species Act Section 9 Prohibitions
59 FR 34270; July 1, 1994	Notice of Joint NMFS-FWS Cooperative Policy for Peer Review in Endangered Species Act Activities
58 FR 17573; April 5, 1993	NMFS' 1993 Interim Policy on the consideration of artificially propagated Pacific salmon and steelhead under the ESA

56 FR 58612; November 20, 1991	NMFS' Evolutionarily Significant Unit
	(ESU) Policy for the Recognition of
	Salmonid Species under the ESA