Professional Sketches

Katherine West Myers

Research Synopsis

Katherine W. Myers is a fishery research biologist and Principal Investigator of the long-term (1953-present) High Seas Salmon Research Program at the School of Aquatic and Fishery Sciences, University of Washington. The overarching goal of her research is to increase scientific knowledge of Pacific salmon and steelhead trout in the open ocean of the North Pacific Ocean and Bering Sea through retrospective, field, laboratory, and computer modeling research in cooperation with other scientists in Canada, Japan, Korea, Russia, and the United States. Ongoing research grants and projects include North Pacific Anadromous Fish Commission (NPAFC) research coordination, funded by the Auke Bay Laboratory, Alaska Fisheries Science Center, NMFS; GLOBEC research in collaboration with the University of Alaska Fairbanks and Auke Bay Laboratory on food habits, growth, and bioenergetics of juvenile pink salmon in coastal waters of the Gulf of Alaska, funded by the National Science Foundation; research to estimate mixing proportions of chinook salmon stocks in the bycatch of U.S. commercial trawl fisheries in the eastern Bering Sea and to determine overlap in food habits and potential competitive interactions between western Alaska salmon and other salmon stocks on the high seas, funded by the Yukon River Drainage Fisheries Association; research on migration of salmon in the Bering Sea, funded by the Alaska Fisheries Science Center; and research on annual variation of salmon scale growth patterns, as part of a USGS-BRD funded study of functional linkages between climate, anthropogenic factors and the epipelagic community of the North Pacific Ocean. As a member of the NPAFC/Bering-Aleutian Salmon International Survey (BASIS) working group, Myers is also an active participant in NPAFC salmon tagging research funded by the North Pacific Research Board since 2002.

A. Degrees

Ph.D. in Fisheries, Hokkaido University, Hakodate, 1998

M.Sc. in Fisheries, Oregon State University, Corvallis, 1980

B.Sc. in Fisheries, University of Washington, Seattle, 1976

B. Appointments

2004-present	Principal Research Scientist and Principal Investigator, High Seas Salmon Research Program, School of Aquatic and Fishery Sciences, University of Washington
1999—2003	Principal Research Scientist and Co-Principal Investigator, University of Washington, High Seas Salmon Research Program
1987-1998	Principal Fisheries Biologist and Project Leader, University of Washington, High Seas Salmon Research Program
1984-1986	Senior Fisheries Biologist and Asst. Project Leader, University of Washington, High Seas Salmon Research Program
1981-1984	Fisheries Biologist, University of Washington, High Seas Salmon Research Program

C. Recent Peer-Reviewed Publications and Technical Reports (2005 only)

Armstrong, J.L., J.L. Boldt, A.D. Cross, J.H. Moss, N.D. Davis, **K.W. Myers,** R.V. Walker, D.A. Beauchamp, and L.J. Haldorson. 2005. Distribution, size, and interannual, seasonal, and diel food habits of northern Gulf of Alaska juvenile pink salmon, *Oncorhynchus gorbuscha*. Deep Sea Research II 52: 247-265.

Aydin, K.Y., G.A. McFarlane, J.R. King, B.A. Megrey, and **K.W. Myers**. 2005. Linking oceanic food webs to coastal production and growth rates of Pacific salmon (*Oncorhynchyus* spp.), using models on three scales. Deep Sea Research II 52:757-780.

Davis, N.D., M. Fukuwaka, J.L. Armstrong, and **K.W. Myers**. 2005. Salmon food habits studies in the Bering Sea, 1960 to present. NPAFC International Workshop BASIS-2004: Salmon and Marine Ecosystems in the Bering Sea and Adjacent Waters, Oct 30-31, 2004, Sapporo, Japan. NPAFC Tech. Rep. 6.

Helle, J.H., **K.W. Myers**, and J.E. Seeb. 2005. National Overview of BASIS Research for the United States. NPAFC Tech. Rep. 6: 12-13.

Moss, J.H., D.A. Beauchamp, A.D. Cross, **K.W. Myers**, E.V. Farley, Jr., J.M. Murphy, and J.H. Helle. 2005. Higher marine survival associated with faster growth for pink salmon (*Oncorhynchus gorbuscha*). Transactions of the American Fisheries Society 134:1313-1322.

Myers, K.W., N.D. Davis, A.G. Celewycz, E.V. Farley, Jr., J. Morris, M. Trudel, M. Fukuwaka, S. Kovalenko, and A. Shubin. High seas salmonid coded-wire tag recovery data, 2005. North Pacific Anadromous Fish Commission Doc. 905. SAFS-UW-0505, School of Aquatic and Fishery Sciences, University of Washington, Seattle, WA. 42 p.

Myers, K.W., R.V. Walker, N.D. Davis, and J.L. Armstrong. High Seas Salmon Research Program, 2004. SAFS-UW-0501, School of Aquatic and Fishery Sciences, University of Washington, Seattle. 97 p.

Quinn, T., and **K.W. Myers**. 2005. Anadromy and the marine migrations of Pacific salmon and trout: Rounsefell revisited. Reviews in Fish Biology and Fisheries 14:421-442.

Walker, R.V., N.D. Davis, **K.W. Myers**, J.H. Helle, M. Fukuwaka, S. Urawa, V.I. Karpenko, A.B. Dekshtein, and S. Zolotukhin. 2005. Releases and recoveries of U.S. and NPRB salmonid data storage tags, and recoveries of high seas tags in North America and Russia, 2005. North Pacific Anadromous Fish Commission Doc. 904. SAFS-UW-0504. School of Aquatic and Fishery Sciences, University of Washington, Seattle, WA. 20 p.

D. Examples of Professional Activities/Awards (5)

Member, Committee on Review of Western Alaska (AYK) Research and Restoration Plan for Salmon, Board on Environmental Studies and Toxicology, Division of Earth and Life Sciences, National Research Council, The National Academies, September 2003-present

Distinguished Service Award, American Institute of Fishery Research Biologists, 2000

US Salmon Expert, US Editor, and Rapporteur, North Pacific Anadromous Fish Commission, Committee on Scientific Research and Statistics, 1993-present; US Member, Science Sub-Committee, 1998-present; US Member Bering-Aleutian Salmon International Survey (BASIS) Working Group, 2001-present

Award for Excellence for Exemplary Service to the University of Washington, Professional Staff Organization, 1994, for leadership of the University of High Seas Salmon Research Program; Nominated by the School of Fisheries for the 1997 Distinguished Staff Group Award for Exemplary Service to the University of

Washington

Citation for the most significant paper in the North American Journal of Fisheries Management, Volume 7, American Fisheries Society, 1988