

DNR Marbled Murrelet Science Team Biographies

March 2008

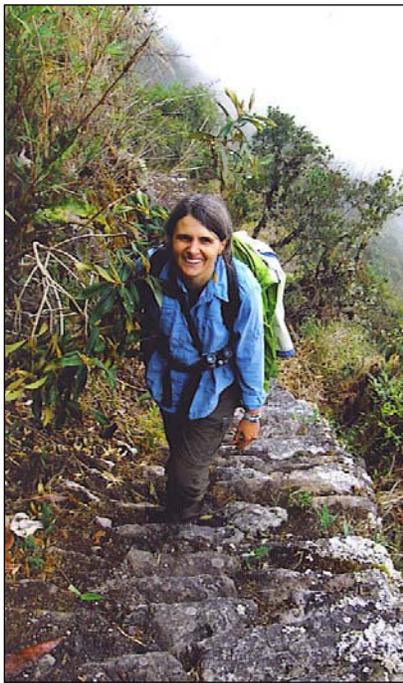


Dr. Martin G. Raphael is a Chief Research Wildlife Biologist and Team Leader with the U.S. Forest Service's Pacific Northwest Research Station in Olympia, Washington, where he has been based since 1989. Martin received a B.A. (1968) from California State University at Sacramento, a B.S. in conservation of natural resources (1972), and an M.S. (1976) and a Ph.D. (1980) in wildland resource science from the University of California, Berkeley. He served as Project Leader with the Rocky Mountain Station (1984-1989), as Deputy Leader of the Scientific Analysis Team and the Forest Ecosystem Management Assessment Team (1992-1994), and was the leader of the terrestrial science staff for the Interior Columbia Basin Ecosystem Management Project (1996-2002). He is actively involved in the development of monitoring plans for the northern spotted owl and marbled murrelet in the Pacific Northwest. His research includes habitat relationships of forest wildlife, ecology of the marbled murrelet and American marten, and investigations into the roles of riparian habitat for terrestrial and aquatic organisms. Martin is currently leading an effort to synthesize information on alternative approaches to the conservation of rare and little-known species. He has published over 120 papers and co-edited five books on wildlife habitat relationships and conservation biology.



S. Kim Nelson is a Research Wildlife Biologist and Senior Faculty Research Assistant with the Oregon Cooperative Fish and Wildlife Research Unit in the Department of Fisheries and Wildlife at Oregon State University. Kim received a B.A. from Lewis and Clark College (1980) and an M.S. in wildlife ecology at Oregon State University (1989). She served as an Advisor to the Marbled Murrelet Recovery Team (1992-1997) and is currently a member of the Inland Effectiveness Monitoring Team of the Northwest Forest Plan. Her research since 1982 has focused on the ecology and habitat associations of seabirds, forest-wildlife interactions, and using information on habitat associations to better manage bird populations. She has been studying the marbled murrelet in Oregon, Washington, California, and southeast Alaska since 1988. This research has focused on marbled murrelet breeding biology, behavior, distribution, nest-site characteristics, nest success, landscape and stand-level habitat associations, and foraging

ranges. She helped develop survey techniques for this species and is an author of the Pacific Seabird Group Survey Protocol for surveying marbled murrelets in forests. In addition to marbled murrelet research, Kim is studying the distribution and habitat use of long-billed murrelets in Asia and the diet and habitat use of Caspian terns in Oregon, Washington, and California. She is also writing a seabird monitoring plan for the California Current and working on a traditional knowledge/seabird monitoring project on King Island in the Bering Sea. She has published over 30 papers and co-edited symposia on seabird ecology and conservation.



Dr. Paula Swedeen is an independent consultant on ecological economics and wildlife ecology in forest and marine environments, based out of Olympia, Washington. She holds a B.S. in biology from Indiana University (1988), an M.A. in political science and environmental studies from Western Washington University (1993), and a Ph.D. in interdisciplinary studies with an emphasis in ecological economics from The Union Institute and University (2004). She was a principal author for DNR's Habitat Conservation Plan (1997). Paula has worked as the program director at Earth Economics (2006-2007), wildlife ecologist and forest policy analyst at the Washington State Department of Fish and Wildlife (2000-2006), wildlife ecologist at DNR (1994-2000), field course instructor for San Francisco State University and U.C. Santa Cruz (1991-1994), and field biologist for the U.S. Forest Service and Cascade Environmental Services (1990-1993). Some of her current consultations include projects incorporating forests into climate policy, helping to establish a water quality permit trading system based on sustainable forestry, and northern spotted owl management issues.



Mark Ostwald is a fish and wildlife biologist at the U.S. Fish and Wildlife Service in Lacey, Washington, since 1999. Mark holds a B.S. in wildlife biology from Colorado State University (1983). He has worked for the Washington Department of Fish and Wildlife as an area habitat biologist (1992-1999) where he worked on interdisciplinary teams for forest management and conducted habitat assessments for marbled murrelets. He was a wildlife biologist for the Olympic National Forest, Quinault Ranger District (1989-1992) where he supervised surveys for spotted owls and marbled murrelets, and worked on forest planning projects. He also worked seasonally conducting

wildlife surveys for the U.S. Fish and Wildlife Service in Alaska and the Washington Department of Wildlife (before 1989). Mark currently works in the Conservation and Habitat Planning Division where he oversees the Washington State Department of Natural Resources' Habitat Conservation Plan. He works with DNR on the management of the marbled murrelet, other species, and other conservation issues germane to their HCP.



Kim Flotlin is a wildlife biologist at the U.S. Fish and Wildlife Service in Lacey, Washington where she has worked since 1991. Kim received her B.S. in wildlife biology from Washington State University (1985). Kim has conducted research on northern spotted owls and other Endangered Species Act-listed and sensitive plant and animal species for the U.S. Forest Service in Washington (1987-1991), upland sandpipers with the Washington Department of Fish and Wildlife (1987-1988), duck and deer species for the Washington Conservation Corps and Washington Department of Fish and Wildlife (1987-1988), and mammals and streams for the U.S. Forest Service's Old Growth Wildlife Habitat Project in Oregon (1984). She is an active member of the Pacific Seabird Group (since 1993), was a co-author of the critical habitat listing for the marbled murrelet (1996), wrote the marbled murrelet section of the Biological Opinion for the Washington State Department of Natural Resources' Habitat Conservation Plan (1997), and was part of the negotiation and development of a large conservation easement for the Quinault Indian Nation which protected marbled murrelet habitat on the Quinault Indian Reservation. Based out of the Listing and Recovery Division, Kim works on candidate species assessments and conservation projects, listed species recovery projects, and provides technical assistance for multiple listed, candidate, and sensitive species in Washington. Kim has spent much of her career with the Service conducting ESA section 7 consultations with federal and state agencies, tribes, non-profit organizations, and private landowners.

(no photo available)

Steve Desimone is a wildlife biologist at the Washington Department of Fish and Wildlife in Olympia, Washington where he has been since 1997. Steve holds a B.S. in zoology from the University of Washington (1988) and an M.S. in wildlife science from Oregon State University (1998). He has conducted research on northern spotted owls and northern

goshawk ecology and habitat in Oregon, and on bald eagles in Alaska. Steve carries out WDFW terrestrial habitat assessments for marbled murrelets (since 2002) and is a member of the Pacific Seabird Group (since 2002). Steve currently manages the Forest Practices Board Draft Briefing Report of the Forest Practices Rules assessment for the marbled murrelet in Washington; and he provides technical support and interpretation of Forest Practices rules and associated survey protocols for the marbled murrelet, and handles habitat assessments for landowners. He also serves at WDFW as the lead biologist for northern goshawk management issues.



Dr. Scott Horton is a wildlife biologist at the Washington State Department of Natural Resources in Forks, Washington where he has been since 1990. He received a B.S. in zoology (1973) and an M.A. in biology (1974) from the University of California at Los Angeles, an M.S. in wildlife ecology from the University of Arizona (1987), and a Ph.D. in conservation biology from the University of Washington (2008). Scott worked as a wildlife biologist for the U.S. Forest Service at the Pacific Northwest Research Station (1987-1990) and the U.S. Bureau of Land Management (1977-1978); a research assistant at Oregon State University and the University of Arizona (1983-1986), and the U.S. Veterans' Administration Medical Center (1978-1983); and college teacher at El Paso Community College (1976-1977). Scott was a principal author for DNR's Habitat Conservation Plan (1997) and Environmental Impact Statement (1996), and recently completed his Ph.D. dissertation on the ecology and conservation of marbled murrelets. With DNR, Scott plays a lead role in habitat conservation planning for the northern spotted owl and marbled murrelet, and serves as a scientific consultant for sustainable management on the Olympic Peninsula.



Peter Harrison is a Wildlife Biologist at the Washington State Department of Natural Resources in Olympia, Washington where he has been since 1993. He holds a B.S. in biology from Principia College (1992). Peter began his DNR career surveying for marbled murrelets in western Washington, then became project manager for various region marbled murrelet programs, and later the lead for the development of the Science Team's recommendations to DNR for the long-term marbled murrelet conservation strategy. He oversees the implementation of the DNR marbled murrelet interim conservation strategy and

stewardship of DNR marbled murrelet data.



Danielle Prenzlow Escene is a Natural Resource Scientist for the Washington State Department of Natural Resources in Olympia, Washington where she has worked since 1995. Danielle received a B.S. in biology from Northeast Missouri State University (1991) and an M.S. in zoology and physiology from the University of Wyoming (1994). She has been an active member of the Pacific Seabird Group (since 1995), including facilitating the statistical reanalysis of the PSG Marbled Murrelet Inland Survey Protocol (2001-2003), as well as coordinating the Marbled Murrelet Technical Committee (2005-2007). Her work at DNR has focused on the marbled murrelet, including managing research for the habitat relationships studies, developing the statistical models to predict habitat, and conducting database stewardship and GIS analyses in support of DNR's marbled murrelet policies and long-term conservation strategy planning.



Weikko Jaross is a Forest Operations Analyst at the Washington State Department of Natural Resources in Olympia, Washington where he has been since 1996. Weikko holds B.S. (1997) and M.S. (2002) degrees in forestry from the University of Washington. He has worked on forest operations projects for the University of Washington (Forest Engineering capstone projects), Plum Creek Timber Company, Champion International, and International Paper. At DNR, Weikko is a project consultant for forest and habitat modeling and has worked on the sustainable harvest calculations, the marbled murrelet Science Team report, and is now focusing his efforts on the Olympic Experimental State Forest Land Plan.