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Date of birth October 1, 1963 (Seattle, USA)

Areas of Expertise

- protected area design and connectivity
- land use change modeling
- private land conservation tools and outcomes
- watershed recovery

Education

Ph.D. 1993 University of Rochester, Department of Biology
Princeton University, Department of Ecology and Evolutionary Biology
Visiting graduate student, January 1990 – February 1993

M.S. 1986 University of California, San Diego, Department of Ecology and Evol. Biology
B.A. Biology, 1985 University of California, San Diego

Recent Employment

Cooperative Extension Specialist and Adjunct Professor
Environmental Science, Policy, and Management Department
University of California, Berkeley

Post-doctoral Fellow 1993-1995:
Center for Conservation Biology, Department of Biological Sciences, Stanford University

Grants and

Program in medical biology scholarship, 1987-1990
Louis Furth research award, 1988
SEACON grant, Chicago Zoological Society, 1989
National Geographic Grant, 1991
American Primatological Society, Student Prize, 1993
Integrated Hardwood Range Management Program, 1996-2005
Sustainable Agriculture Research & Education Prog., 1997-2000
Renewable Resources Education Act Funds, 1996, 1997, 1998, 2002, 2006
California Department of Fish and Game, 1999-2009
USDA Forest Service, 2000
National Science Foundation, 2001-2003
Environmental Protection Agency NCER STAR, 2002-2004
Environmental Protection Agency NCER STAR, 2005-2008
The Nature Conservancy 2006-2009
Sonoma County Water Agency 2007-2009

Honors

North American Board, Society for Conservation Biology
Editorial Board, Journal for Conservation Biology
Assigning Editor, Society for Conservation Biology

Scientific Publications

GRANTHAM, T. E., A. M. MERENLENDER and V. H. RESH In Press Climatic Influences and Anthropogenic Stressors: An integrated framework for stream-flow management in mediterranean-climate California, USA. *Fresh Water Biology*

MERENLENDER, A. M., NEWBURN, D., REED, S. E. and RISSMAN, A. In press The importance of incorporating threat for efficient targeting and evaluation of conservation investments. (Response to Underwood et al. "Evaluating conservation spending for species return: A retrospective analysis in California") *Conservation Letters: Early Review*

BYRD, K. B., RISSMAN, A. R. and A. M. MERENLENDER. 2009 Impacts of conservation easements for threat abatement and fire management in a rural oak woodland landscape. *Landscape and Urban Planning* 92:106-116

BÊCHE, L. A. CONNORS, P. G., RESH, V. H. and A. M. MERENLENDER. 2009 Resilience of fishes and invertebrates to prolonged drought in two California streams. *Ecography* 32:778-788.

MERENLENDER, A. M., S. E. REED, K. L. HEISE 2009 Exurban Development Influences Woodland Bird Composition. *Landscape and Urban Planning*, *Landscape and Urban Planning* 92:255-263

DEITCH, M. J., KONDOLF, G. M., and A. M. MERENLENDER 2009 Surface water balance to evaluate the hydrological impacts of small instream diversions and application to the Russian River basin, California, USA *Aquatic Conservation: Marine and Freshwater Ecosystems* 19:274-284

DEITCH, M. J., KONDOLF, G. M., and A. M. MERENLENDER 2009 Hydrologic impacts of small-scale instream diversions for frost and heat protection in the California wine country. *River Research and Applications*. 25:118:134
MERENLENDER, A. M., M. DEITCH, and S. FEIRER 2008 Decision support tool seeks to aid stream flow recovery and enhance water security. *California Agriculture*. *California Agriculture* 62(4):148-155.

REED, S. E. and A. M. MERENLENDER 2008 Quiet, Non-Consumptive Recreation Reduces Protected Area Effectiveness. *Conservation Letters* 1(3):146-154

RISSMAN, A. R. and A. M. MERENLENDER 2008. The Conservation Contributions of Conservation Easements: Analysis of the San Francisco Bay Area Protected Lands Spatial Database. *Ecology and Society* 13 (1): 40. [online] URL: <http://www.ecologyandsociety.org/vol13/iss1/art40/>

CHRISTIAN-SMITH J. and A. M. MERENLENDER 2008 The Disconnect Between Restoration Goals and Practices: A Case Study of Watershed Restoration in the Russian River Basin, California *Restoration Ecology* Early View on line July 2008.

LOHSE, K., NEWBURN, D., OPPERMAN, J., and A.M. MERENLENDER 2008 Forecasting the relative impacts of land use on fine sediment in anadromous fish habitat to guide development and conservation programs. *Ecological Applications* 18:467-482

MERENLENDER, A. M. 2007 Large Scale Planning for Connectivity. *Transactions of the Western Section Of The Wildlife Society* 43:8-10

OPPERMAN, J. J. and A. M. MERENLENDER. 2007 Living trees provide stable large wood in streams. *Earth Surface Processes and Landforms* 32:1229-1238.

- MERENLENDER, A. M. 2007. Protecting Wildlands Beyond the Urban Fringe
In Lasting Landscapes: Reflections on the Role of Conservation Science in Land Use Planning. Kihlsinger, R.L. and J. Wilkinson (eds.) Environmental Law Institute. Washington D.C.
- RISSMAN, A. R., REINER, R. and A. M. MERENLENDER 2007 Monitoring Natural Resources
on Rangeland Conservation Easements Who's minding the easement? *Rangelands* June 2007 pp.21-26.
- RISSMAN, A. R., LOZIER, L. COMENDANT, T. KAREIVA, P., KIESECKER, J. M., SHAW, R. and A. M. MERENLENDER 2007 Conservation easements: Biodiversity protection and private use. *Conservation Biology* 21(3):709-718
- BYRD, K. B., KELLY, N. M., and MERENLENDER, A. M. 2007 Temporal and Spatial Relationships between watershed land use and salt marsh disturbance in a Pacific estuary. *Environmental Management* 39(1):98-112
- G. M. KONDOLF, S. ANDERSON, R. LAVE, L. PAGANO, A. MERENLENDER AND E. S. BERNHARDT 2007 Two Decades of River Restoration in California: What Can We Learn? *Restoration Ecology* 15(3):516-523
- HILTY, J. A., BROOKS, C., HEATON, E., and A. M. MERENLENDER. 2006 Forecasting the effect of land-use change on native and non-native mammalian predator distributions. *Biodiversity and Conservation*. *Biodiversity and Conservation* 15:2853–2871
- NEWBURN, D., BERCK, P., and A. M. MERENLENDER 2006 Habitat and Open Space At Risk of Land-Use Conversion: Targeting Strategies for Land Conservation *American Journal of Agricultural Economics* 88(1):28-42
- HILTY, J. A., LIDICKER, W. Z., and, A. M. MERENLENDER. 2006 Corridor Ecology: The Science and Practice of Connectivity for Biodiversity Conservation. Island Press, Washington DC pp. 323
- OPPERMAN, J. J, LOHSE, K., BROOKS, C., KELLY, N. M., and MERENLENDER, A. M. 2005. Influence of land use on fine sediment in salmonid spawning gravels within the Russian River basin, California. *Canadian Journal of Fisheries and Aquatic Science* 62:2740-2751
- MERENLENDER, A. M., BROOKS, C., SHABAZIAN, D., GAO, S., and R. JOHNSTON. 2005. Forecasting exurban development to evaluate the influence of land-use policies on wildland and farmland conservation. *Journal of Conservation Planning* 1(1):64-88.
- NEWBURN, D., REED, S., BERCK, P. and A. M. MERENLENDER. 2005. Economics and land-use change in prioritizing private land conservation. *Conservation Biology*, 19(5):1411-1420.
- SULAK, A., HUNTSINGER, L., STANDIFORD R., MERENLENDER, A., and S. FAIRFAX. 2005. The agricultural conservation easement: a strategy for oak woodland conservation. In: Schnabel, S. and Goncalves, A. (eds). *Sustainability of Agrosilvopastoral Systems: Dehesas, Montados*. Chapter 6. *Advances in Geocology* 37:353-364.
- HILTY, J. A. and A. M. MERENLENDER. 2004. Use of riparian corridors and vineyards by mammalian predators in Northern California. *Conservation Biology* 18(1):126-135.
- MERENLENDER, A. M., HUNTSINGER, L., GUTHEY, G., and S. K. FAIRFAX. 2004. Land trusts and conservation easements: Who is conserving what for whom? *Conservation Biology* 18(1):65-75.
- OPPERMAN, J. and A. M. MERENLENDER. 2004. The effectiveness of riparian restoration for improving instream fish habitat in four hardwood-dominated California streams. *North American Journal of Fisheries Management*. 24(3):822-834.
- HILTY, J. A. and A. MERENLENDER. 2003. Studying biodiversity on private lands. *Conservation Biology* 17(1):132-137.

- GIUSTI, G. A. and A. M. MERENLENDER. 2002. Inconsistent application of environmental laws and policies to California's oak woodlands. USDA Forest Service Gen. Tech. Rep. PSW-GTR-184. 2002.
- HEISE, K. and A. M. MERENLENDER. 2002. Monitoring a half-century of change in a hardwood rangeland. *Journal of Range Management* 55(4):412-419.
- BROOKS, C. N. and A. M. MERENLENDER. 2001 Determining the pattern of oak woodland regeneration for a cleared watershed in northwest California: A necessary first step for restoration. *Restoration Ecology* 9(1):1-12.
- DITOMASO, J. M., HEISE, K. L., KYSER, G. B., MERENLENDER, A. M., and R. J. KEIFFER. 2001. Carefully timed burning can control barb goatgrass. *California Agriculture* 55(6):47-52.
- MERENLENDER, A. M., HEISE K. L., BARTOLOME, J. W., and B. H. ALLEN-DIAZ. 2001 Monitoring shows vegetation change at multiple scales. *California Agriculture* 55(6):42-46.
- BROOKS, C. N. and A. M. MERENLENDER. 2000. How the GIS was used to map and quantify policy impacts. *California Agriculture* 54(3):19-20.
- HEATON, E. and A. M. MERENLENDER. 2000. Modeling potential vineyard expansion and habitat fragmentation. *California Agriculture* 54(3):12-18.
- HILTY, J. A. and A. MERENLENDER. 2000. A comparison of covered track-plates and remotely-triggered cameras. *Transactions of the Western Section of the Wildlife Society* 36:27-31.
- HILTY, J. and A. M. MERENLENDER. 2000. Faunal indicator taxa selection for monitoring ecosystem health. *Biological Conservation* 92:185-197.
- KENNEDY, T. B., MERENLENDER, A. M., and G. L. VINYARD. 2000. A Comparison of riparian condition and aquatic invertebrate community indices in central Nevada. *Western North American Naturalist* 60(3):255-272
- MERENLENDER, A. M. 2000. Mapping vineyard expansion provides information on agriculture and the environment. *California Agriculture* 54(3):7-12.
- OPPERMAN, J. and A. M. MERENLENDER. 2000. Deer herbivory as an ecological constraint to restoration of degraded riparian corridors. *Restoration Ecology* 8(1):41-47.
- HEISE, K. and A. M. MERENLENDER. 1999. Flora of a vernal pool complex in the Mayacmas mountains of Southern Mendocino County, California. *Madrono* 46(1):38-45.
- OVERDORFF, D. J., MERENLENDER, A. M., TALATA, P., TELO, A., and Z. A. FORWARD. 1999. Life history of *Eulemur fulvus rufus* from 1988-1998 in southeastern Madagascar. *American Journal of Physical Anthropology* 108(3):295-310.
- BROOKS, C., HEATON, E., NEWBURN, D., and A. MERENLENDER. 1998. Modeling vineyard expansion in California's north coast and its consequences for the surrounding oak woodland landscape. Nineteenth Annual ESRI User Conference Proceedings, San Diego, CA
- BROOKS, C. N. and A. M. MERENLENDER. 1998. Characterizing the spatial pattern of vegetation regeneration in a cleared watershed. In Eighteenth Annual ESRI User Conference Proceedings, San Diego, CA. ESRI. Vol. 18. 23pp.
- MERENLENDER, A. M., KREMEN, C., RAKOTONDRAZIMA, M., and A. WEISS. 1998. Monitoring impacts of natural resource extraction on lemurs of the Masoala Peninsula, Madagascar. *Conservation Ecology* 2(2).

MERENLENDER, A. M. 1998. Yesterday's extinctions, today's concerns, tomorrow's future. *Trends in Ecology and Evolution* 13(3):124.

MERENLENDER, A. M., HEISE, K. L., and BROOKS, C. 1998. Effects of sub-dividing private property on biodiversity in California's north coast oak woodlands. *Transactions of the Wildlife Society* 34:9-20.

MERENLENDER, A. M. and C. BROOKS. 1997. Integrating geographic information at state, regional and local scales: An essential step for watershed management, restoration, and monitoring. In "What is watershed stability?" Proceedings of the Sixth Biennial Watershed Management Conference. Water Resources Center Report NO. 92. University of California.

MERENLENDER, A. M., BOGGS, C., and D. D. MURPHY. 1996. The role of insects in conservation management. In Proceedings of the Symposium on Biological Diversity of the Central California Coast, eds. R. F Dasmann and N. Chiariello, 1997.

KREMEN, C., MERENLENDER, A. D. and MURPHY. 1994. Ecological monitoring: A vital need in integrated conservation and development programs in the tropics. *Conservation Biology* 8(2):1-10.

OVERDORFF, D. J. and A. M. MERENLENDER. 1994. Social organization in *Eulemur fulvus rufus* in Madagascar. *American Journal of Physical Anthropology*, n.SUPPL. 18:156.

GLANDER, K. E., WRIGHT, P. C., DANIELS, P. S., and A. M. MERENLENDER. 1992. Morphometrics and testicle size of rainforest lemur species from southeastern Madagascar. *Journal of Human Evolution* 22(1):1-17.

DOBSON, A. P. and A. M. MERENLENDER. 1991. Coevolution of macroparasites and their hosts. In "Parasitism: Coexistence or Conflict?" Eds. C.A. Toft & A.E. Aeschlimann, Oxford University Press, Oxford.

DOBSON, A. P. and A. M. MERENLENDER. 1990. Primate conservation through comparative population biology of two lemur species. *American Journal of Physical Anthropology* 81(2):216.

MERENLENDER, A. M. and A. P. DOBSON. 1990. Primate ecology at a crossroads. *Trends in Ecology. and Evolution* 5(10):324-325.

MERENLENDER, A. M., WOODRUFF, D. S., and O. A. RYDER. 1989. Genetic variation in African and Indian rhinoceroses: Taxonomic and evolutionary implications. *Journal of Heredity* 80(5).

MERENLENDER, A. M., WOODRUFF, D. S., UPATHAM, E. S., VIYANANT, V., and H-C. YUAN. 1986. Surprisingly large genetic distance between Chinese and Philippine *Schistosoma japonicum*. *Journal of Parasitology* 73(4):861-863.

WOODRUFF, D. S., MERENLENDER, A. M., UPATHAM, E. S., and V. VIYANANT. 1986. Genetic variation and differentiation of three *Schistosoma* species from the Philippines, Laos and Peninsular Malaysia. *American Journal Tropical Medicine and Hygiene* 36(2):345-354.

Extension Publications

GIUSTI, GREG and ADINA MERENLENDER ET AL. 2008 Oak Woodland Impact Decision Matrix A Guide for Planner's to Determine Significant Impacts to Oaks as Required by SB 1334 (Public Resources Code 21083.4) Integrated Hardwood Range Management Program

OPPERMAN, J., LEWIS, D., and A. M. MERENLENDER. 2005. Maintaining wood in streams: A vital action for fish conservation. DANR Publications. <http://anrcatalog.ucdavis.edu/pdf/8157.pdf>

Gregory A. Giusti, Richard B. Standiford, Douglas D. McCreary, Adina Merenlender and Thomas Scott Oak Woodland Conservation In California's Changing Landscape, Integrated Hardwood Range Manganement Program White Paper 2004

- DEITCH, MATT and A. MERENLENDER. 2004. Understanding upland stream flow: An important first step for sustainable water management. *The Russian River Bulletin* 7(1):4.
- HILTY, J. and A. MERENLENDER. 2002. Wildlife activity along creek corridors. *Practical Winery & Vineyard* November/December pp.6-11.
- MERENLENDER A. M. and K. HEISE. 2002. Living among the oaks: How do bird communities respond to rural residential development? *Oaks 'n' folks* 18(2):1-3.
- DITOMASO, J., HEISE, K., MERENLENDER, A. M., and G. KYSER. 2001. A successful burning strategy to control barbed goatgrass. *Oaks 'n' folks* 17(1):3-4.
- MACKENZIE, A. and A. M. MERENLENDER. 2000. Sonoma County acquisition plan 2000: A tool for conserving oak woodlands. *Oaks 'n' folks* 16(2):1-7
- BROOKS, C. N. and A. M. MERENLENDER. 1998. Return of natural hardwood regeneration in a cleared watershed. *Oaks N' Folks* 13(2). University of California.
- MERENLENDER, A. M. and J. CRAWFORD. 1998. Vineyards in an oak landscape: Exploring the physical, biological, and social benefits of maintaining and restoring native vegetation in and around the vineyard. University of California Division of Agriculture and Natural Resources Publication 21577.
- MERENLENDER, A. M. and C. BROOKS. 1997. Integrating geographic information at state, regional and local scales: An essential step for watershed management, restoration, and monitoring. *Oaks and Folks* 12(2):4-7.
- MERENLENDER, A. M., and C. BROOKS. 1997. Integrating geographic information at state, regional and local scales: An essential step for watershed management, restoration, and monitoring. *Farm Bureau News* 2(12):15.
- HEISE, K. L., MERENLENDER, A. M. and G. GIUSTI. 1996. Vernal pools in California's oak woodlands: Puddles or unique habitats? *Oaks and Folks* 11(2).
- MERENLENDER, A. M. 1996. The importance of insect conservation. *Mendocino County Farm Bureau News* 1(17):9-12.
- MERENLENDER, A. M. 1996. Oak woodland symposium highlights issues, problems and solutions. *Oaks and Folks* 11(1):2.