

SARAH ELIZABETH HAYDEN REICHARD

CURRICULUM VITAE

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EDUCATION

- Ph.D. 1994. University of Washington, Seattle: College of Forest Resources. "Assessing the potential of invasiveness in woody plants introduced in North America."
M.S. 1989. University of Washington, Seattle: College of Forest Resources. "The systematics and horticultural potential of the *Drimys winteri* (Winteraceae) complex of Chile and Argentina." Field work in Chile and Argentina, 1987.
B.S. 1981. University of Washington, Seattle: Botany.

EMPLOYMENT

Associate Professor of Conservation Biology, College of Forest Resources and the University of Washington Botanic Gardens, Adjunct Associate Professor of Landscape Architecture, University of Washington. 1997 to present (Research Assistant Professor 1997-2001, Assistant Professor 2001-2005) Curator, Otis D. Hyde Herbarium, Center for Urban Horticulture. 1999 to present. Director, Rare Plant Care and Conservation Program, University of Washington Botanic Gardens, 1998 to present.

FUTURE RESEARCH DIRECTIONS

I have developed a solid base of research on the biology of both non-native invasive and native rare plants. For invaders, this has focused on risk assessment methods for determining invasive ability in new introductions and on their impacts. For rare species, I have worked on determining threats to the populations and how to help them recover. I expect to continue this work, with increasing emphasis on risk assessment and plant responses to climate change.

SELECTED PUBLICATIONS

- Urgenson, L., S. Reichard, and C. Halpern. In press. Community and ecosystem consequences of giant knotweed (*Polygonum sachalinense*) invasion into riparian forests of western Washington, USA. *Biological Conservation*.
- Shebitz, D., P. Dunwiddie, and S. Reichard. In press. Consequences of low- and high-severity fire in anthropogenically-maintained beargrass habitat in the Olympic Peninsula lowlands. *Ecological Restoration*.
- Beck, K.G., K. Zimmerman, J. Schardt, J. Stone, R.K. Lukens, S. Reichard, J. Randall, A. Cangelosi, D. Cooper, and J.P. Thompson. 2008. Invasive Species Definition Clarification. *Invasive Plant Science and Management* 1:414-421.
- Shebitz, D., S.H. Reichard, and W. Woubneh. 2008. Beargrass on the Olympic Peninsula, Washington: Autecology and Population Status. *Northwest Science*. 82(2): 128-140.
- Virtue, J.G., R.D. Spencer, J.E. Weiss, and S.E. Reichard. 2008. Australia's Botanic Gardens Weed Risk Assessment Procedure. *Plant Protection Quarterly*. 23: 166-178.
- Reichard, S. 2007. The St. Louis codes of conduct: providing a framework to prevent invasions from horticulture. Pages 157-162 in: Harrington, T.B.; Reichard, S.H., tech. eds. *Proceedings, Meeting the challenge: invasive plants in Pacific Northwest ecosystems*. Gen. Tech. Rep. PNW-GTR-694. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station.

- D. M. Lodge, S. Williams, H. MacIsaac, K. Hayes, B. Leung, S. Reichard, R. N. Mack, P. B. Moyle, M. Smith, D. A. Andow, J. T. Carlton, and A. McMichael. 2006. Biological Invasions: Recommendations for U.S. Policy and Management. *Ecological Applications*. 16: 2035-2054
- Clarke, M., S. Reichard, and C. Hamilton. 2006. Prevalence of different forms of English ivy (*Hedera* spp., *Araliaceae*) in invading populations. *Biological Invasions* 8:149-157.
- Reichard, S. 2005. The tragedy of the commons revisited: invasive species. *Frontiers in Ecology and the Environment* 3:109-110. [Reprinted with permission in *Wildland Weeds* 9:7-8]
- Dougherty, D. and S. Reichard. 2004. Factors Affecting the Control of *Cytisus scoparius* and Restoration of Invaded Sites. *Plant Protection Quarterly* 19:137-142.
- Reichard, S. 2004. Conflicting values and common goals: codes of conduct to reduce the threat of invasive species. *Weed Technology* 18:1503-1507.
- National Research Council (Richard Mack, committee chair, S. Barrett, P. DeFur, W. MacDonald, L. Madden, D. Marshall, D. McCullough, P. McEvoy, J. Nyrop, S. Reichard, K. Rice, and S. Tolin) 2002. *The Scientific Basis for Predicting the Invasive Potential of Nonindigenous Plants and Plant Pests*. Washington, DC: National Academy Press.
- Reichard, S.H. and P. White. 2001. Horticulture as a pathway of invasive plant introductions in the United States. *BioScience* 51: 103-113.
- Reichard, S. and C.W. Hamilton. 1997. Predicting invasions of woody plants introduced into North America. *Conservation Biology*. 11(1): 193-203.
- Reichard, S. 1997. Preventing the introduction of invasive plants. *In* Luken, J. and J. Thieret, eds. *Assessment and management of plant invasions*. New York: Springer-Verlag. pages 215-227.

BOOKS

- Boersma, D., S. Reichard, and A. van Buren, 2006. *Invasive species in the Pacific Northwest*. University of Washington Press. 285 pages.

SELECTED PROFESSIONAL SERVICE AND POLICY APPOINTMENTS

- Natural Areas Journal, Associate Editor, 2007-present.
- Sustainable Conservation, California Horticultural Invasive Prevention steering committee, 2004-present.
- International Union for the Conservation of Nature, Invasive Species Specialist Group, 2000 to present.
- Washington State Noxious Weed Committee, Washington Noxious Weed Board. 1997 to present.
- Invasive Species Advisory Committee, Advisor to U.S. Cabinet Council on invasive species issues, 2000-2006.
- The Heinz Center on the Environment, analysis of using invasive species as indicator of ecosystem health, 2003-2005
- International Society for Conservation Biology, North American Section, Board of Governors 2002-2005.
- Delegate, Global Invasive Species Programme (International Union for the Conservation of Nature), September 2000, Cape Town South Africa. Lead two workshops: "Trade Issues for the Future" and "Ecological Information Needed for Effective Databasing"
- "Safeguarding America's Plant Resources," National Plant Board review of USDA/PPQ policies and procedures, participant on committee reviewing information of international pests, 1999.

SELECTED HONORS AND AWARDS

- Garden Club of America, Contributions to Conservation, 2006
- Professional Citation Award, American Public Garden Association, annual award given to an individual whose has made significant contributions to public horticulture, 2006
- "Conservation Partner of the Year" awarded to rare plant program by the Bureau of Land Management and the U.S. Forest Service, 2004.