

Curriculum Vitae
Diane M. Thomson

Address

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Present position

Assistant Professor
Claremont Joint Sciences Department
The Claremont Colleges

Education

- 2001 PhD., Department of Environmental Studies, University of California, Santa Cruz (Dissertation: Competitive interactions between the invasive European honey bee and native bumblebees. Advisor: D.F. Doak).
- 1995 M.Phil., University of Cambridge, Geography (Environment and Development).
- 1994 B.S., Ecology and Evolutionary Biology, University of Arizona, summa cum laude.

Previous employment

- 2002-2004 Post-doctoral research associate, Dept. of Evolution and Ecology, University of California, Davis, Biological Invasions IGERT grant.
- 2001-2002 Post-doctoral research associate, Department of Environmental Science and Policy, University of California, Davis, with M.W. Schwartz (rare plant population modeling and monitoring).
- 1995-2001 Teaching/research assistant, Dept. of Environmental Studies, University of California, Santa Cruz.

Teaching experience

- 2002 Guest instructor, University of California at Davis, Introduction to Environmental Science and Policy (taught approximately one quarter of the course).
- 1995-2001 Teaching Assistant, University of California, Santa Cruz: Introductory Ecology, Conservation Biology, Restoration Ecology, Environment and Society.
- 1998-2000 Sponsor, undergraduate research internships, Dept. of Environmental Studies, University of California, Santa Cruz.
- 1998 Organized and led student and volunteer field research through the University of California, University Research Expeditions Program.
- 1997 Assistant organizer and instructor in workshop on viability analysis for scientific personnel of the Nature Conservancy.

Grants and Fellowships

- NSF Doctoral Dissertation Improvement Grant, 1999-2001 (with D.F. Doak), "Critical tests of invasive species effects: impacts of the exotic European honey bee on native plant-pollinator interactions."
- Natural Reserves System Grant, University of California, 1997.
- University Research Expeditions Program Grant, University of California, 1997.
- Regents' Fellowship, University of California, 1995.
- National Science Foundation Pre-Doctoral Fellowship, 1995.
- Churchill Foundation Scholarship, Cambridge University, 1994.
- Flinn Foundation Scholarship, University of Arizona, 1990-1994.

Publications

- Thomson, D.M. Measuring the effects of invasive species on the demography of a rare endemic plant. In press, *Biological Invasions*.
- Hastings, A., K. Cuddington, K. Davies, C. Dugaw, S. Elmendorf, A. Freestone, S. Harrison, M. Holland, J. Lambrinos, C. Taylor, and D. Thomson. The spatial spread of invasions: new developments in theory and evidence. In press, *Ecology Letters*.
- Thomson, D.M. Demographic matrix models as a tool for understanding invasive plant-native plant interactions. In press, *Conservation Biology*.
- Thomson, D.M. 2004. Competitive effects of the invasive European honey bee on the reproductive success of a native bumble bee. *Ecology* 85: 458-470.
- Brigham, C.A. and D.M. Thomson. 2003. Approaches to modeling population viability in plants: an overview. Pages 145-171 in C.A. Brigham and M.W. Schwartz, eds., *Population Viability in Plants*. Springer-Verlag, Berlin.
- Thomson, D.M. 2002. Competitive interactions between the invasive European honey bee and native bumblebees. Dissertation, University of California, Santa Cruz.
- Doak, D.F., D.M. Thomson and E.S. Jules. 2002. PVA for plants: understanding the demographic consequences of seed banks for population health. Pages 312-337 in S. Beissinger and D. McCullough, eds., *Population Viability Analysis*.
- Harding, E., E. Crone, B.D. Elder, J. Hoekstra, A. McKerrow, J. Perrine, J. Regetz, L. Rissler, A. Stanley, E. Walters, and NCEAS HCP Working Group. 2001. The scientific foundations of habitat conservation plans: A quantitative assessment. *Conservation Biology*, 15: 488-500.
- Morris, W.F., D.F. Doak, M. Groom, P. Kareiva, J. Fieburg, L. Gerber, P. Murphy, and D. Thomson. 1999. *A practical handbook for population viability analysis*. 80 pp. The Nature Conservancy Press, New York.
- Doak, D.F., D. Bigger, E. Harding, M.A. Marvier, R. O'Malley, and D. Thomson. 1998. The statistical inevitability of stability-diversity relationships in community ecology. *American Naturalist* 151: 264-276.

Reports

- Doak, D.F., J. Borgeson, M. Kauffman, P. Shahani and D. Thomson. 2000. *Ecological*

factors affecting the recovery of five rare plants of Monterey, CA. Prepared for the California Department of Fish and Game.

Thomson, D.M. 1999. Effects of invasive exotics on the demography of the endangered plant, *Oenothera deltoides* ssp. *howellii*. Prepared for the U.S. Fish and Wildlife Service.

Presentations

2004. Habitat heterogeneity in the dispersal and spread of barbed goatgrass (*Aegilops triuncialis*). Ecological Society of America meeting, Portland, OR.

2003. Combining experiments and models to manage invasive plant impacts: the case of a California endemic. IPINAMS/ESA Invasive plant meeting, Ft. Lauderdale, FL.

1999. Effects of the European honey bee on native pollinators of coastal scrub communities. Ecological Society of America annual meeting, Spokane, WA.

1997. Interactions between environmental variation and competition: their effects on the demography of a rare plant. Poster presentation, Ecological Society of America annual meeting, Albuquerque, N.M.

Service activities

Peer Reviewer: Ecological Applications, American Naturalist, Behavioral Ecology, Biological Conservation, Australian Journal of Botany.