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EDUCATION

PhD **Environmental Science, Policy & Management**
Ecosystem Sciences Division
University of California, Berkeley, CA

- Degree Expected: December 2006
- Honors: NSF Graduate Research Fellowship
Budweiser Conservation Scholarship
Switzer Environmental Fellowship

BA **Studies in the Environment / Women's & Gender Studies**
Yale University, New Haven, CT

- Degree Awarded: May 1999
- Honors: Magna Cum Laude
Phi Beta Kappa
Distinction in Studies in the Environment
Distinction in Women's & Gender Studies

RESEARCH EXPERIENCE

- 2001 – present **PhD Dissertation Research**, University of California, Berkeley, CA
- Cumulative impacts of human disturbances, including development density and recreation, on the conservation effectiveness of protected areas in urban landscapes.
 - Application of molecular genetic techniques and physiological stress hormone assays to measure impacts of human disturbances to native carnivore populations.
 - Development of GIS models to predict responses of carnivore population distributions to land use change and recreational demand in coastal California.
- 2002 – present **Wildlife Researcher & Polk Science Fellow**, Grand Canyon National Park, AZ
- Inventory and monitoring of ten carnivore species' population distributions, spatial patterns of species co-occurrence and habitat relationships.
 - Testing relative efficiency of non-invasive survey techniques for detecting carnivores, including hair snares, remotely-triggered cameras, track plates and scat analyses.
 - Development of spatially-explicit GIS models of carnivore distributions incorporating species co-occurrence data.
- 1998 – 1999 **Hitachi America Fellow**, Yale University, New Haven, CT
- Thesis project documenting tensions between land conservationists and affordable housing advocates following rapid residential development in Boulder, CO.
 - Wrote, directed, edited and produced an independent documentary film.

TEACHING EXPERIENCE

- Spring 2005 **Graduate Student Instructor**, University of California, Berkeley, CA
- ESPM 104: Modeling & Management of Biological Resources
 - Delivered guest lectures; organized computer lab sections; prepared answer keys.
- Fall 2002 **Graduate Student Instructor**, University of California, Berkeley, CA
- ESPM c103/IB 156: Principles of Conservation Biology
 - Led three lab and discussion sections; wrote, graded and administered exams.

OTHER WORK EXPERIENCE

- 1999 – 2001 **Project Manager**, Affordable Housing Alliance, Boulder, CO
- Independent research; grant writing & administration; desktop publishing, presentation design; database management; project planning & management.
- 1999 – 2001 **Associate**, Wolff Lyon Architects, Boulder, CO
- Graphic design, mapping, awards submission & presentation design; marketing; web design & development; database management; project planning & management.

AWARDS, GRANTS & FELLOWSHIPS

- Switzer Environmental Fellowship (2006)
- Budweiser Conservation Scholarship (2005)
- Phi Beta Kappa Doctoral Fellowship (2005)
- Berkeley Sigma Xi Grant-In-Aid-of-Research (2005)
- NSF – Urban/Rural Interface Conference Travel Grant (2005)
- National Science Foundation Graduate Research Fellowship (2002-2005)
- NSF – Berkeley Conference and Research Travel Grants (2003-2005)
- Grand Canyon National Park Foundation Wildlife & Natural Resource Protection Grants (2003-2006)
- Grand Canyon National Park Foundation Eugene Polk Science Fellowship (2002)
- Departmental Fellowships, Environmental Science, Policy & Management (2001, 2005, 2006)
- Hitachi America Fellowship, Studies in the Environment, Yale University (1998)
- Sudler Fund Grant, Calhoun College, Yale University (1998)
- Community Service Fellowship, Yale University (1998)

PUBLICATIONS

Scientific Publications

- Merenlender, A. M., K. L. Heise, and S. E. Reed. 2002. Living among the oaks: How do bird communities respond to rural residential development? *Oaks 'n' Folks* 18: 1-2.
- Newburn, D., S. E. Reed, P. Berck and A. M. Merenlender. 2005. Economics and land-use change in prioritizing private land conservation. *Conservation Biology* 19: 1411-1420.
- Reed, S. E. and E. F. Leslie. 2005. Patterns of carnivore co-occurrence on the North Rim, Grand Canyon National Park. Pages 309-316 in C. van Riper and D. J. Mattson, editors. *The Colorado Plateau II: Biophysical, Socioeconomic and Cultural Research*, University of Arizona Press, Tucson.
- Reed, S. E. and K. A. Seymour. (Accepted.) Predicting the intensity of recreational use of oak woodland preserves. USDA Forest Service Technical Report.
- Rissman, A., S. E. Reed, C. Hughes and R. Reiner. (Accepted.) Monitoring understory composition of blue oak woodlands on northern California conservation easements. USDA Forest Service Technical Report.
- Bidlack, A. L., S. E. Reed, P. J. Palsboll and W. M. Getz. (Submitted) Characterization of a western North American carnivore community using PCR-RFLP of cytochrome *b* obtained from fecal samples. *Conservation Genetics*.

PUBLICATIONS (CONT.)

Scientific Publications

Reed, S. E. and A. L. Bidlack. (In prep.) Optimizing field surveys using wildlife detection dogs.

Merenlender, A. M., K. L. Heise, C. Brooks, D. Nelson, and S. E. Reed. (In prep.) The expanding matrix of exurban development influences California oak woodland bird composition.

Documentary Film

Reed, S. E. 1999. Space. © Yale University, New Haven, CT.

Graphic Design

Wolff Lyon Architects/EDAW. 2000. Stapleton Design Book. Denver: Forest City Development, Inc.

PRESENTATIONS & POSTERS

Reed, S. E. and A. M. Merenlender. 2006. Impacts of human recreation on mammalian carnivores in protected California oak woodlands. 20th Annual Meeting of the Society for Conservation Biology, San Jose, CA.

Reed, S. E. and A. L. Bidlack. 2006. Optimizing field surveys using wildlife detection dogs. 8th Bay Area Conservation Biology Symposium, San Francisco State University, San Francisco, CA.

Reed, S. E. and A. M. Merenlender. 2005. Effects of landscape context and recreational use on carnivores in regional protected areas. Emerging Issues along Urban/Rural Interfaces: Linking Science and Society, Atlanta, GA.

Reed, S. E. and E. F. Leslie. 2004. Relative importance of habitat variables and species co-occurrence for predicting mesocarnivore species presence. Defenders of Wildlife, Carnivores 2004, Santa Fe, NM.

Reed, S. E. 2004. Spatial patterns of domestic cat (*Felis catus*) invasions in Grand Canyon National Park, Arizona. 6th Bay Area Conservation Biology Symposium, University of California, Davis, CA.

Reed, S. E. and E. F. Leslie. 2003. Patterns of carnivore community assembly in North Rim, Grand Canyon National Park, Arizona. 7th Biennial Conference of Research on the Colorado Plateau, Northern Arizona University, Flagstaff, AZ.

Reed, S. E. 2003. Dogs searching for cats: training scat detection dogs for wildlife research. Invited speaker, Lindsay Wildlife Museum, Walnut Creek, CA.

Leslie, E., E. Garding, S. E. Reed, and M. Culver. 2002. Large carnivore preservation and visitor safety in national parks: a balancing act through DNA analysis. Defenders of Wildlife, Carnivores 2002, Monterey, CA.

PROFESSIONAL AFFILIATIONS & COMMUNITY SERVICE EXPERIENCE

- Commissioner, Parks & Recreation Commission of the City of El Cerrito, CA (2006-present)
- Board Member and Speaker Series Chair, Golden Gate Audubon Society, Berkeley, CA (2005-present)
- Co-President, Berkeley Chapter of the Society for Conservation Biology, Berkeley, CA (2002-2003)
- Member, Environmental Science, Policy & Management Endowed Chairs Committee (2004-present)
- Member, Society for Conservation Biology (2001-present)
- Member, Society for Conservation GIS (2006-present)
- Member, Sigma Xi Scientific Research Society (2004-present)
- Reviewer, Conservation Biology and Journal of Biogeography
- Volunteer Biologist, Inner Canyon Vegetation Management Program, Grand Canyon, AZ (2004,2005)
- Volunteer Biologist, Colorado River Corridor Wildlife Survey, Grand Canyon, AZ (2003)
- Environmental Educator, Texas Natural Resources Conservation Commission (1999)
- Youth Counselor, Department of Parks & Recreation, Boulder, CO (1998)
- Environmental Educator, New Haven Land Trust, New Haven, CT (1997)
- Special Projects Coordinator, Yale Women's Center, New Haven, CT (1996-1997)
- Board Member, Youth Opportunities Advisory Board of the City of Boulder, CO (1994-1995)

SKILLS

Computer: ArcGIS, ArcView, GPS Pathfinder, JMP, SAS, S-Plus, CART, PC-Ord, Berkeley Madonna, Excel, Access, WinBUGS, BioEdit, Photoshop, Quark, Powerpoint, EndNote

Other: Wilderness First Aid certified; conversant in French and Spanish; basic knowledge of Czech and Russian.