

Peter L. Erb
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Education

- Duke University, Center for Documentary Studies, Durham, NC** In Progress
Certificate in Documentary Arts
- University of Colorado at Boulder, Boulder, CO** May 2012
Masters of Arts in Ecology and Evolutionary Biology
Thesis: *Landscape and anthropogenic effects on mammal occupancy in the Appalachian Trail corridor.*
- The Colorado College, Colorado Springs, CO** May 2004
Bachelor of Arts in Environmental Science with African studies minor;
Honors Thesis: *Plant conservation in the Serengeti National Park: Monitoring and management of non-native plants.*
- Associated Colleges of the Midwest (ACM), Tanzania, Africa** Jul. - Dec. 2002
University of Dar es Salaam, Dar es Salaam, Tanzania

Relevant Experience

- Science Technologist, Warren Wilson College** July 2020- present
 - Technological support for experiential online classes in the Natural Sciences
 - Production of asynchronous video content for online classes
 - Development and management of Natural Science's YouTube Channel
- Science Communications Coordinator, Conservation Exchange at WWC** Jan 2018 - present
 - Production and distribution of film and photography content for Warren Wilson College Land Resources
 - Management of Conservation Exchange social media accounts
- Instructor/Adjunct Professor, Warren Wilson College** Jan 2017 - present
 - SCI 2900: Science Communication & Outreach (Spring 2021)
 - ENS 2907: Environmental Documentary Filmmaking (Spring 2020)
 - SCI 2900: Science Communication & Outreach (Fall 2019)
 - FYS 1200: Communicating Conservation in the S. Blue Ridge (Fall 2019)
 - SCI 2900: Science Communication & Outreach (Fall 2018)
 - ENS 1150: Perspectives in Environmental Studies (Fall 2018)
 - SWK 320: Social Work Practicum: Film Section (Fall 2018)
 - ENS 477: Conservation Filmmaking (Spring 2017)
- Owner/Filmmaker, Reel Impacts, LLC** June 2017 - present
 - Founded science media company
 - Science filmmaker producing documentary style films
 - Licensed unmanned aircraft operator

- Program Coordinator**, ScienceLIVE, Biological Sciences Initiative June 2012 - present
- Founded and developed the science outreach program ScienceLIVE (www.lessonsinfescience.org)
 - Co-develops lesson plans around actual research projects and associated data
 - Produces educational videos for classroom use
 - Facilitates the connections of field researchers to classrooms through interactive web development, social media, online blogs, and webinars
 - Leads professional development workshops for teachers
- Graduate Assistant**, Museum of Natural History, University of Colorado, Boulder, CO Sept. 2008 - May 2012
- Assisting in daily vertebrate and invertebrate collection activities including: data entry, digitization, specimen inventory, organization, and processing
- Wildlife Technician**, Colorado Division of Wildlife, Montrose, CO June 2008 - August 2008
- Crew leader for Colorado pika field survey
- Wildlife Technician**, Boulder Open Space & Mountain Parks, Boulder, CO Oct. 2007 - Jan. 2008
- Assisting in prairie dog mapping project and GIS analysis
- Ecology Intern/Contractor**, Smithsonian Institute, Conservation & Research Center Jan. 2007 - August 2009
Field Ecology Department, Front Royal, VA
- Coordination and GIS analysis of large mammal camera trapping survey in Sarawak, Malaysia
 - GIS planning, coordination, volunteer training, data management, and analysis of citizen science Appalachian Trail carnivore monitoring project
 - Assisted in white-tailed deer study: methods include deer trapping, radio telemetry, use of LOCATE software, and GIS analysis
- Conservation GIS Intern**, Smithsonian Institute, Conservation & Research Center, Mar. 2006 - Dec. 2006
Spatial Analysis Lab, Front Royal, VA
- Assisted in GIS analysis for Przewalski's wild horse reintroduction project
 - Conducted preliminary GIS research and training in Xinjiang Province, China
 - Co-taught Introductory and Advanced Conservation GIS Courses
- Co-Founder**, Synergy Springs, Camas Prairie, MT Sep. 2004 - Feb. 2006
- Developed and co-directed non-profit in rural sustainable living and education
 - Led and designed summer college-level internship program
- Contractor**, Northern Divide Grizzly Bear Project, USGS, West Glacier, MT Jun. - Sep. 2004
- Located and constructed hair snag stations in remote mountain locations
 - Collected and recorded data regarding hair snag sites and bear rub object use
- Research Assistant**, Colorado College, Department of Economics Jan. 2003 - May 2004
- Assisted Professor Walt Hecox in sustainable development research
 - Compiled economic, social, and environmental data for GIS analysis

Scientific Publications

Erb, P.L., W.J. McShea, and R.P. Guralnick. (In Prep) Landscape effects on carnivore occupancy in the Appalachian Trail corridor. *Landscape Ecology*.

Erb P.L., W.J. McShea, R.P. Guralnick. Anthropogenic Influences on Macro-Level Mammal Occupancy in the Appalachian Trail Corridor. Fenton B, ed. *PLoS ONE* 2012; 7(8):e42574. doi:10.1371/journal.pone.0042574.

McShea, W.J., C. Stewart, L. Peterson, **P. Erb**, R. Stuebing, and B. Gimán. 2009. The importance of secondary forest blocks for terrestrial mammals within an Acacia/secondary forest matrix in Sarawak, Malaysia. *Biological Conservation* 142: 3108- 3119. (Peer reviewed)

Erb, P. 2004. Plant conservation in the Serengeti National Park: Monitoring and management of non-native plants. Honors thesis. Colorado College Environmental Science, Colorado Springs, CO. 53 pages.