

# LUKE T. MACAULAY

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## EDUCATION

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- Ph.D.** **University of California, Berkeley**, Department of Environmental Science, Policy & Management. Advisors: Lynn Huntsinger & Reginald Barrett. Berkeley, CA  
September 2010 – August 2015
- M.Sc.** **University of California, Berkeley**, Department of Environmental Science, Policy & Management. Master of Range Management. Berkeley, CA  
September 2008 – May 2010  
Advisor: James Bartolome.
- B.A.** **University of Notre Dame**, Bachelor of Arts, Cum laude, Dean's List, Double Major in Program of Liberal Studies and Spanish. Study and Service Abroad in Spain and El Salvador. Notre Dame, IN  
September 1998 – May 2002

## EXPERIENCE

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**POSTDOCTORAL RESEARCHER** Berkeley, California  
**University of California, Berkeley** Fall 2015 – Present

- Examine the potential carbon consequences of land protection by comparing current carbon on protected lands to counterfactual landscapes where these parcels were not protected
- Evaluate fragmentation and conservation consequences of California land ownership patterns
- Describe ownership patterns associated with different agricultural production types

**GRADUATE STUDENT RESEARCHER AND INSTRUCTOR** Berkeley, California  
**University of California, Berkeley** 2008 – 2015

Graduate Student in Extension Development Spring 2013 – Spring 2015

- Organize workshops, seminar, and showcases to connect students with Extension and develop relevant skills
- Member of steering committee to pilot graduate student fellowship program in Cooperative Extension
- Pilot program has funded research and extension activities for 11 graduate students from 2014 - 2016

Graduate Student in Extension (GSE) Fellowship Summer 2014 – Spring 2015

- Perform Cooperative Extension outreach to improve conservation and wildlife management on private ranches

Wildlife Trail Camera Data Analysis Spring 2014 – Spring 2015

- Manage 15 undergraduate students analyzing photos for a long-term wildlife research on private ranch

Researcher for National Science Foundation Coupled Natural-Human Systems Grant Spring 2013

- Developed survey questionnaire and sampling methodology to evaluate wetland conservation behaviors
- Supervised undergraduate assistant in developing GIS mapping of survey sample

Co-organizer of Cooperative Extension Graduate Seminar Spring 2013

- Coordinated attendance of 11 Cooperative Extension specialists and advisors to speak at weekly seminar
- Introduced students to examples of Extension work and provide training on skills needed for Extension

Graduate Student Instructor – American Wildlife: Conservation and Identification Fall 2008 & Fall 2012

Researcher – East Bay Regional Parks 2008 – 2012

- Performed bird surveys, vegetation transects & invertebrate sampling in East Bay Regional Parks
- Drafted annual report on bird, invertebrate and vegetation composition on grazed grasslands

- Graduate Student Coordinator Spring 2011
- Graduate student representative in faculty committee meetings
  - Member of student advisory committee to redevelop core curriculum in ESPM
- UC Berkeley Center for Forestry Fall 2010
- Analyzed Cooperative Extension Integrated Hardwood Range Management Program in California
- Visiting Scholar – Spain: Consejo Superior de Investigaciones Cientificas Fall 2009
- Conducted field work on research projects in Spanish oak savannas involving tree growth and productivity
  - Interviewed Spanish researchers and visited research sites in Andalucía region of Spain
- INDEPENDENT ENVIRONMENTAL CONSULTING** May 2009 – September 2013
- Renewable Energy Environmental Impact Review
- Evaluated environmental impacts for five utility-scale solar energy projects and two geothermal projects
  - Submitted data requests and testimony to California Energy Commission
- POINT REYES NATIONAL SEASHORE** December 2007 – March 2008  
**UC Berkeley & National Park Service**
- Graduate Research Fieldwork
- Utilized radio telemetry to conduct relocations of radio-collared tule elk; conduct field necropsies of tule elk; collect elk fecal samples to examine diet, stress levels, and disease prevalence
- HILL + KNOWLTON STRATEGIES** San Francisco, California  
**Public Relations and Public Affairs Consultancy** May 2007 – December 2007
- Senior Account Executive
- Managed \$300,000 public relations budget for UC Medical Centers and two informational websites
  - Developed communications materials and performed media outreach for diverse group of clients including Hewlett-Packard, Qualcomm, University of California Medical Centers, and the Kauffman Foundation
- UNITED STATES DEPARTMENT OF JUSTICE** San Francisco, California  
**U.S. Attorney’s Office – Northern District of California** September 2004 – April 2007
- Spokesman -- Public Affairs Officer
- Coordinated and led media strategy across diverse federal, state and local agencies such as the FBI, DHS, San Francisco District Attorney and San Francisco Police Department.
  - Strategized with top management in creating and disseminating messages to the media
  - Conducted on-camera media interviews; attended Justice Department training for on-camera interviews
  - Fielded approximately 10-25 media inquiries daily; explained office work & initiatives in on-the-record interviews under tight deadlines
  - Prepared management for interviews with reporters: created briefing memos, talking points, & fact sheets
  - Organized and moderated press conferences: briefed speakers and led preparatory meetings
  - Wrote public statements, op-eds, letters to editors, and press releases
  - Initiated and implemented student intern program: interviewed, trained, and managed interns
  - Involved in front page coverage in the *Wall Street Journal*, *New York Times*, *San Francisco Chronicle*  
 Featured in San Francisco Examiner profile
- UNITED STATES DEPARTMENT OF JUSTICE** Washington, DC  
**Office of Public Affairs and Antitrust Division** August 2002 – September 2004
- Press Assistant, 2003-2004: Created media briefs; provided public affairs support for *U.S. v. Oracle* antitrust

trial; assisted with Attorney General press conferences  
Paralegal Specialist, 2002-2003: Appointed lead paralegal for three multi-billion dollar transactions in defense, turbine, and waste industries

**PHILMONT BACKPACKING RANCH**  
**Boy Scouts of America**

Cimarron, New Mexico  
Summers of 1999 and 2001

Taught youth blacksmithing, safe muzzleloader firearm use, Native American cultural history & flintknapping

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## **PUBLICATIONS**

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Macaulay, L. *Submitted on October 21, 2014, Revised and resubmitted on August 17, 2015.* The role of wildlife-associated recreation in private land use and conservation: Providing the missing baseline.

Macaulay, L. *In revision with Cooperative Extension Pastured Pig Production Project. Final revisions due on August 21, 2015.* Pastured Pig Production in California Oak Woodlands: Lessons from the Spanish *Dehesa*.

Macaulay, L. *In press as Proceedings of the 7th Oak Symposium.* Evaluating Recreational Use as an Incentive for Habitat Conservation on Private Land in California.

Huntsinger, L., N. Sayre, and L. Macaulay. 2014. Ranchers, land tenure, and grass-roots governance: maintaining pastoralist use of rangelands in the U.S. in three different settings. In: Davies, J. (ed). *International Union for Conservation of Nature (IUCN) report: Rangeland resource governance: the foundation of sustainable development.*

Macaulay, L.T.; Starrs, P.F.; Carranza, J., 2013. Hunting in Managed Oak Woodlands: Contrasts Among Similarities, in: *Mediterranean Oak Woodland Working Landscapes*. Springer, pp. 311–350.

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## **REPORTS & POPULAR PRESS**

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Hopkinson, P., Hammond, M., Macaulay, L., & Bartolome, J. 2011. Grazing Management Plan, Hollister Hills State Vehicular Recreation Area, California State Parks.

Macaulay, L. 2011. Integrated Hardwood Range Management Program (IHRMP) Evaluation Report. California Department of Forestry and Fire Protection.

Bartolome, J., Hopkinson, P., Hammond, M., Kellogg, B., Macaulay, L., Spiegel, S., & Voelker, B. 2009. Cowell Ranch Ecosystem Management Alternatives Plan, California State Parks.

Hopkinson, P., Hammond, M., Bartolome, J., & Macaulay, L. 2009. Grazing Management Plan, Macedo Ranch, Mount Diablo State Park.

East Bay Regional Park District Annual Report: Birds Abundance and Diversity. 2010.

East Bay Regional Park District Annual Report: Invertebrate & Bird Abundance and Diversity. 2009.

### Popular Press Publications

“What about native fish?” Texas Parks & Wildlife Magazine. April 2010. Letters.

“Made in California – meth.” San Francisco Chronicle. November 30, 2006. Op-ed. Drafted by Luke Macaulay for U.S. Attorney Kevin Ryan.

“Criminal Case Filing Comparison Inaccurate.” November 13, 2006. Letter to the Editor. The Recorder, By

## **PRESENTATIONS & WORKSHOPS**

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### Workshops Organized or Led

Introduction to Analysis of National Datasets in R. Graduate Group in Cooperative Extension Workshop. October 14, 2014.

The role of hunting in modern conservation biology. North America Congress for Conservation Biology, July 2014. *Submitted proposal, identified speakers, developed curriculum and performed marketing for entire event. Built workshop website at [conservationhunters.org](http://conservationhunters.org). Featured in [Missoulian newspaper article](#) and [ESPM blog](#).*

How to write a policy brief, by Dr. David Zilberman. University of California, Berkeley. February 25, 2014.

### Recent Presentations

Invited speaker to the California Forest Council Executive Committee. Wildlife Recreation Economics and Private Land. *Scheduled for November 5, 2015.*

Conservation, economics and management of hunting on private land. Golden Gate Chapter of Safari Club International. Pleasant Hill, California. August 19, 2015.

*Jamon iberico de bellota*, aka Iberian ham of acorn... in California. Outdoor Pig Production: Managing Forage and Natural Resources for a Successful Farm Business. Healdsburg, California. June 2015.

Introduction to the Graduate Student in Extension (GSE) Pilot Program. Co-speakers John Battles & Vanessa Murua. UC ANR County Directors Meeting. July 17, 2015.

Conservation, economics and management of hunting on private land. Finishing Talk for Ph.D. University of California, Berkeley. May 2015.

Conservation Practices and Hunting on California Ranches. Meat Production and Food Safety Program Team Meeting. Reno, Nevada. November 2014.

Evaluating recreational use as an incentive for habitat conservation on private land. 7<sup>th</sup> Oak Symposium. Visalia, California. November 2014.

Recreational Spending on U.S. Private Lands Economic and Conservation Impact. Western Section of Wildlife Society. Reno, Nevada. February 2014.

Paid Hunting Operations: Conservation and Revenue Potential. Central Coast Rangeland Coalition Workshop and Training Program. Morgan Hill, California. October 2013.

Recreational Income on U.S. Private Lands: The Conservation Impact. International Symposium on Society and Resource Management. Estes Park, Colorado. June 2013.

Recreational Income on Farms and Ranches: Economics of Private Lands Recreation. Western Section of Wildlife Society. Sacramento, California. February 2013.

Economic Role of Hunting in Private Oak Savanna Ranches in California. International Wildlife Management Congress. Durban, South Africa. July 2012.

## **SCHOLARSHIPS & FELLOWSHIPS**

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Graduate Training in Cooperative Extension Fellowship, 2014  
Goertz Chair Fellowship, 2012-2014  
Golden Gate Chapter of Safari Club International Research Grant 2012, 2013  
Graduate Division Summer Fellowship, 2012  
Environmental Science, Policy & Management Fellowship, 2011, 2014  
National Science Foundation GRFP – Honorable Mention 2010  
Range Management Scholarship Award, 2008  
Wilson Scholarship, 1998-2002

## **SKILLS, ACHIEVEMENTS, ORGANIZATIONS, INTERESTS**

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- Associate Rangeland Manager - California-Pacific Section of the Society for Range Management
- Steering committee for Graduate Students in Extension (GSE) Program, 2014-2015
- Statistical programming in R
- Visual Basic programming in Excel
- ArcGIS mapping and analysis
- Certified Hunter Education Instructor with California Department of Fish & Wildlife
- Fluent in Spanish
- Outstanding Graduate Student Instructor Award, 2008
- Wildlife Society: Webmaster of San Francisco Bay Area Chapter 2009-2011