

**Luke Thomas Macaulay**  
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## **EDUCATION**

<b>Ph.D.</b>	<b>University of California, Berkeley</b> , Department of Environmental Science, Policy & Management	Berkeley, CA 2015
<b>M.S.</b>	<b>University of California, Berkeley</b> , Range Management	Berkeley, CA 2010
<b>B.A.</b>	<b>University of Notre Dame</b> , Program of Liberal Studies and Spanish	Notre Dame, IN 2002

## **EMPLOYMENT**

### **University of California, Berkeley**

2016- Assistant Cooperative Extension Specialist, Dept. of Environmental Science, Policy & Mgmt  
2015-16 Postdoctoral Researcher, Department of Environmental Science, Policy & Management

### **Hill & Knowlton Strategies, San Francisco**

2007 Senior Account Executive

### **U.S. Department of Justice**

2004-07 Spokesman, U.S. Attorney's Office, Northern District of California, San Francisco  
2003-04 Press Assistant, Office of Public Affairs, Washington DC  
2002-03 Paralegal Specialist, Antitrust Division, Washington DC

## **VISITING POSITIONS**

AAAS Science & Tech. Policy Fellow, USDA Foreign Agricultural Service, Washington DC (2016-17)  
Graduate Researcher in Spain's Center for Scientific Research (CSIC) (2009)

## **RESEARCH INTERESTS**

Landscapes, rangeland management, rangeland ecology, wildlife management, land use planning, land use policy, ranch economics, biodiversity conservation, ecosystem services, environmental economics, geographic information systems, land ownership

## **PUBLICATIONS**

*Note on authorship: Papers stemming out of my research group adhere to the first-last author emphasis. Papers from my group are noted here with a "†", while underlined names in italics indicate students, staff, and postdoctoral researchers in my group.*

### **Peer Reviewed Articles**

**Macaulay, L.T.** & V. Butsic. In press. Ownership characteristics and crop selection in California cropland. *California Agriculture*.

†*Shapero, M.*, I. Dobrovna, **L.T. Macaulay**. 2017. Implications of changing spatial dynamics of

irrigated pasture, California's third largest agricultural water use. *Science of the Total Environment* 605–606: 445–453

**Macaulay, L.T.** 2016. The role of wildlife-associated recreation in private land use and conservation: Providing the missing baseline. *Land Use Policy* 58: 218–233.

**Peer Review Book Chapters, Conference Proceedings, Extension Publications**

**Macaulay, L.T.** 2015. Pastured Pig Production in California Oak Woodlands: Lessons from the Spanish Dehesa. In: *Outdoor Hog Production: Best Practices for Conservation in the San Francisco Bay Area*. UC Cooperative Extension.

**Macaulay, L.T.** Proceedings of the 7th Oak Symposium. Evaluating Recreational Use as an Incentive for Habitat Conservation on Private Land in California. Gen. Tech. Rep. PSW-GTR-251. Berkeley, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station.

Huntsinger, L., N. Sayre, **L.T. 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). *The Governance of Rangeland: Collective Action for Sustainable Pastoralism*.

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

**Non Peer Reviewed Publications**

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

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

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

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

**Macaulay, L.T.** “What about native fish?” *Texas Parks & Wildlife Magazine*. April 2010. Letters.

**GRANTS AND EXTRAMURAL FUNDING**

2017	California Land Use and Ownership Portal	UC Renewable Resources Extension Act (RREA)	Co-PI	\$7,500
2017	Upgrade, Analyze, and Manage ANR's Oakland Woodland Management Website - 29 Years of Outreach	UC Renewable Resources Extension Act (RREA)	Co-PI	\$7,500
2017-2020	Marble Mountain Elk Ecology and Management Collaborative Research Initiative	California Department of Fish & Wildlife	Co-PI	\$1,601,679
2016	California Land Trends	UC Renewable Resources Extension Act (RREA)	Co-PI	\$15,000
2016	Social Media 101 – Improving the Livestock Natural Resources Program Social Media Footprint	UC Renewable Resources Extension Act (RREA)	Co-PI	\$12,000
2014-2017	Graduate Students in Extension Pilot Program	UC Agriculture & Natural Resources, ESPM	Graduate Student co-founder	\$450,000 (\$150k ESPM \$300k ANR)

**SCHOLARLY PRESENTATIONS****Invited Conference Talks**

International Symposium on Society & Resource Management. Umea, Sweden. July 21, 2017. (declined due to death in family)

**Conference Talks**

- What is the economic and conservation impact of recreation on private land in the U.S.? Northeastern Recreation Research Symposium (NERR). Annapolis, Maryland. April 2, 2017.
- Conservation, economics and management of hunting on private land. Finishing Talk for Ph.D. University of California, Berkeley. May 2015.
- Evaluating recreational use as an incentive for habitat conservation on private land. Society for Range Management Annual Meeting. Sacramento, California. February 2015.
- Evaluating recreational use as an incentive for habitat conservation on private land. 7th 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.
- 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.

**EXTENSION EXPERIENCE****Online communications**

California Land Use & Ownership Portal: <http://geoportal.ucanr.edu/sandbox/caltrendsmpl/data.html>  
 UC Livestock & Rangelands Social Media & Website Development

**Presentations & Workshops**

- Jordan Rangeland Management & Water Harvesting Intl. Development Project. Smithsonian Conservation Biology Institute. August 2017.
- Global Agricultural & Disaster Assessment System Demonstration. World Wildlife Fund. July 2017.
- Global Agricultural & Disaster Assessment System Demonstration. USDA Food & Nutrition Service. June 2017.
- Irrigation in Agriculture & Water in the Middle East. May 2017.
- Jordan Rangeland Management & Water Harvesting Intl. Development Project. U.S. Agency for International Development. April 2017
- The Use of GIS in International Development. USDA Foreign Agricultural Service to US Agency for International Development Bureau for Food Security. March 2017
- Conservation, economics and management of hunting on private land. Golden Gate Chapter of Safari Club International. Pleasant Hill, California. August 19, 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.
- 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.
- Conservation Practices and Hunting on California Ranches. Meat Production and Food Safety Program Team Meeting. Reno, Nevada. November 2014.
- 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. 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.
- Paid Hunting Operations: Conservation and Revenue Potential. Central Coast Rangeland Coalition Workshop and Training Program. Morgan Hill, California. October 2013.

**Invited Panelist/Presenter**

- Alternative Manure Management Program Technical Assistance Workshop. September 2017.
- Environmental Stewardship Panel at Stockmanship & Stewardship event. UC Davis. June 24, 2017.

**Efforts to Improve Extension**

2014-2017 Graduate Students in Extension Pilot Program

**TEACHING EXPERIENCE****George Washington University**

Adjunct Professor, Water Resources, 2017 (100%), Enrollment ~30

**Invited Guest Lectures**

Montaine Meadow Grazing Monitoring & Management, UC Berkeley Forestry Camp, July 2017  
Senior Discussion for Molecular Environmental Biology Major. March 2017.

**ACADEMIC MENTORING****Research Staff** (title and current institution indicated where appropriate):

Matthew Shapero (2017), Cooperative Extension Advisor, UC Cooperative Extension, Santa Barbara Co.

**Postdoctoral Scholar**

Felix Ratcliff (2017-)

**Undergraduate Students (20)**

Research Mentor (19)

Senior or Honors Thesis Advisor (2)

**PROFESSIONAL SERVICES AND ACTIVITIES**

**Discipline**

*Grant Reviewer*

Global Environment Facility Proposals

*Manuscript Reviewer*

Conservation Letters

Rangeland Ecology & Management

**University**

*College*

Enhancing international development opportunities between USDA Foreign Ag. Service & CNR. 2017.

*UC Agriculture & Natural Resources (ANR)*

White paper report: UCANR and Policy Development: Defining our policy work. 2017.

**Greater Community**

- Livestock Technical Guidance for Global Food Security Strategy. USAID Bureau for Food Security. 2017.
- Capacity Building for Jordanian Ministry of Agriculture related to rangeland management and water harvesting. 2017-2019.

**PROFESSIONAL SOCIETIES AND ORGANIZATIONS**

American Association for the Advancement of Science (2016-17)

Society for Range Management (2016)

The Wildlife Society (2015)

Society for Conservation Biology (2015)

ISANR (2017)

**HONORS AND AWARDS**

Graduate Training in Cooperative Extension Fellowship, 2014

Goertz Chair Fellowship, 2012-2014

Golden Gate Chapter of Safari Club Research Grant 2012, 2013

Graduate Division Summer Fellowship, 2012

Environmental Science, Policy & Management Fellowship, 2011, 2014

National Science Foundation GRFP – Honorable Mention 2010

Outstanding Graduate Student Instructor Award, 2008

Range Management Scholarship Award, 2008

Wilson Scholarship, 1998-2002

Cum laude, 2002

Dean's List, 1998-2002