

## Curriculum Vitae

### A. PERSONAL INFORMATION

**Name** Travis Longcore, Ph.D.  
**Business Address** University of Southern California  
School of Architecture  
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### B. EDUCATION

**Graduate** UCLA, Los Angeles, California, M.A. (Geography), 1995  
UCLA, Los Angeles, California, Ph.D. (Geography), 1999  
**University** University of Delaware, Newark, Delaware, Honors B.A. (Geography) *summa cum laude*, 1993  
**Secondary** Orono High School, Orono, Maine, 1988  
Alströmerskolan, Alingsås, Sweden, Diploma in Natural Sciences, 1989

### C. HONORS AND AWARDS

#### Certifications

Certified GIS Professional (GISP®), License 91255, 2015–2020  
Certified Senior Ecologist, Ecological Society of America, 2010–2021

#### Undergraduate

Alexander J. Taylor Award for Outstanding Senior Man, University of Delaware, 1993  
Panel of Distinguished Seniors (College of Letters, Arts, and Sciences), University of Delaware, 1993  
Geography Faculty Award, University of Delaware, 1993  
Phi Kappa Phi Graduate Fellowship, Chapter Award, University of Delaware, 1993  
Mid-Atlantic Region Finalist, Rhodes Scholarship, 1992  
Fellow, Arizona Honors Academy for national security studies, Northern Arizona University, 1992  
Merit Fellowship, International Summer School, University of Oslo, Norway, 1992  
Marie Donaghay Award for Excellence in Geography, University of Delaware, 1992  
Phi Beta Kappa (early induction), 1992  
Pi Delta Phi (French national honor society), 1992

Golden Key National Honor Society, 1992

Phi Kappa Phi (national honor society), 1991

Phi Beta Kappa Clift and DeArmond Award, for sophomore with “greatest intellectual promise,”  
University of Delaware, 1991

George and Margaret Collins Seitz Award, for sophomore showing “extraordinary traits of fine  
character,” University of Delaware, 1991

Eugene duPont Memorial Distinguished Scholar Award, University of Delaware (100% 4-yr merit  
fellowship), 1989

### **Graduate**

National Science Foundation Dissertation Improvement Grant, 1998

Distinguished Doctoral Scholar Fellowship, UCLA Alumni Association, 1998

Portable Fellowship, UCLA Graduate Division, 1997

National Science Foundation Graduate Research Fellowship, 1993

Chancellor’s Fellowship, UCLA Graduate Division (declined), 1993

### **Professional**

Certificate of Appreciation, Street and Area Lighting Conference, Illuminating Engineering Society,  
2013

Audubon Conservation Award, Palos Verdes/South Bay Audubon Society, 2010

UCLA Non-Senate Faculty Professional Development Award, 2010

National Military Fish & Wildlife Association, Natural Resource Conservation Research Award, 2009

California Department of Transportation, Excellence in Transportation Award (Environment), 2007

Certificate of Recognition (Palos Verdes Blue Butterfly Recovery Program), White House Conference  
on Cooperative Conservation, 2005

Certificate of Appreciation (Quino Checkerspot Butterfly Recovery Team), United States  
Fish and Wildlife Service, 2003

International Dark-Sky Association, Executive Director’s Award, 2002

## **D. PROFESSIONAL BACKGROUND**

### **Academic Appointments**

Assistant Professor of Architecture, Spatial Sciences, and Biological Sciences, University of Southern  
California, 2015–present

Faculty Affiliate, Wrigley Institute for Environmental Studies, University of Southern California,  
2012–present

Faculty Affiliate, GIS Research Laboratory, University of Southern California, 2001–present

Associate Adjunct Professor, Institute of the Environment and Sustainability, University of California,  
Los Angeles, 2010–present

Lecturer, School of Architecture, University of Southern California, 2012–2015

Associate Professor (Research) of Spatial Sciences, University of Southern California, 2010–2015

Associate Professor (Research) of Geography, University of Southern California, 2008–2010

Lecturer, Master of Liberal Studies Program, University of Southern California, 2007–2008  
Lecturer, Institute of the Environment, University of California, Los Angeles, 2003–2010  
Assistant Professor (Research) of Geography, University of Southern California, 2001–2008  
Lecturer, Department of Ecology and Evolutionary Biology, University of California, Los Angeles, 2001–2006  
Lecturer, Department of Geography, University of California, Los Angeles, 2000–2007  
Postdoctoral Research Associate, Sustainable Cities Program, University of Southern California, 1999–2001

### **Administrative Responsibilities**

Coordinator, Practicum in Environmental Science, University of California, Los Angeles, 2008–2014  
Associate Director, Center for Sustainable Cities, University of Southern California, 2009  
Director of Urban Ecological Research, Center for Sustainable Cities, University of Southern California, 2001–2009

### **Other**

Research Associate, Natural History Museum of Los Angeles County, 2012–present  
Co-founder and Science Director, The Urban Wildlands Group, 1996–present

## **E. RESEARCH ACTIVITIES**

### **Research Grants**

Park Light: Trends in Night Sky Brightness and Upward Radiance from and near National Parks, USC Undergraduate Research Associates Program, PI, 2017–2018, \$4,800  
Habitat-Specific Light Pollution Measurements in the Mediterranean Network of National Parks, Santa Monica Mountains Fund, PI, 2017, \$7,009  
Green Space, Air Quality, and Obesity: Healthy Urbanism in Polluted Cities, USC Architecture Graduate Research Scholar Program, PI, 2017, \$1,440  
Population Environmental Genomics of Crop Improvement, James H. Zumberge Research and Innovation Fund (Multi-school Interdisciplinary Award), co-PI, 2016–2017, \$85,000  
Park Light: A Framework to Monitor Nighttime Upward Radiance From and Near National Parks, USC Undergraduate Research Associates Program, PI, 2016–2017, \$3,200  
Laguna Mountains Skipper Summer Abundance and Larval Survival, U.S. Fish and Wildlife Service, Project Director, 2015–2017, \$15,000  
Captive Breeding of Lange's Metalmark, U.S. Fish and Wildlife Service, Project Director, 2015–2017, \$123,129  
Captive propagation of and surveys for endangered Palos Verdes blue butterfly, Department of the Navy, Project Director, 2015–2017, \$288,212  
Historical Ecology of the Tijuana River Valley, San Francisco Estuary Institute, Project Director, 2014–2017, \$8,000

Baldwin Hills Biota Update, Baldwin Hills Conservancy/Baldwin Hills Regional Conservation Authority, PI, 2014–2016, \$281,000

Historical Ecology of the Elysian Valley, The Nature Conservancy, PI (subaward from LandIQ), 2014–2015, \$33,990

Survey and spatial analysis of invasive earthworms on San Clemente Island, Department of Defense, U.S. Navy, PI (subaward from Oklahoma State University), 2014–2015, \$19,399

Captive Breeding of Lange's Metalmark, U.S. Fish and Wildlife Service, Project Director, 2011–2015, \$248,531

Captive propagation of and surveys for endangered Palos Verdes blue butterfly, Department of the Navy, Project Director, 2014, \$94,500

Captive Breeding of Laguna Mountain Skipper, National Fish and Wildlife Foundation, Project Director, 2012–2014, \$30,000

Stormwater Gardens in University Park, Graduate Research Scholar, USC School of Architecture, PI, 2013, \$1,440

Noninvasive technique to sample DNA from butterflies, Department of Defense Legacy Grant Program, PI, 2012–2013, \$38,000

Recovery strategy for Miami blue butterfly, U.S. Fish and Wildlife Service, Project Director, 2012–2013, \$10,000

Research strategy for habitat enhancement and reintroduction of Taylor's checkerspot butterfly, Center for Natural Lands Management, Project Director, 2012–2013, \$38,000

Captive propagation of and surveys for endangered Palos Verdes blue butterfly, Department of the Navy, Project Director, 2012–2013, \$179,047

Wildlife friendly lighting guidelines for parks, Graduate Research Scholar, USC School of Architecture, PI, 2012, \$1,000

Analysis of survey data for Mission blue butterfly, Golden Gate National Parks Conservancy, Project Director, 2011, \$6,800

Captive propagation of and surveys for endangered Palos Verdes blue butterfly, Defense Logistics Agency, 2008–2011, \$246,128

Survey and report on status endangered Palos Verdes blue butterfly at Naval Housing Area, Los Angeles, Department of the Navy, Project Manager, 2011, \$13,426

Experimental captive propagation of endangered Lange's metalmark butterfly, National Fish and Wildlife Foundation, Project Director, 2010–2011, \$55,000

Biological information spatial database and user interface for Defense Fuel Support Point, San Pedro Department of Defense Legacy Grant Program, PI, 2010–2011, \$91,765

Surveys and research promoting conservation of Kern Primrose Sphinx Moth, U.S. Bureau of Land Management, Project Director, 2005–2015, \$50,000

Historical ecology of wetlands in Ballona Creek watershed, Southern California Coastal Water Research Project, PI, 2009–2011, \$39,000

Historical ecology of the Santa Clara and Ventura rivers, San Francisco Estuary Institute, PI, 2008–2010, \$7,200

Captive propagation of endangered Lange's metalmark butterfly from the Antioch dunes, U.S. Fish and Wildlife Service, Project Director, 2007–2010, \$150,000

Strategic plan for captive rearing and reintroduction of the endangered Quino checkerspot butterfly, U.S. Fish and Wildlife Service, Project Director, 2007–2010, \$11,400

Genetic diversity of the Palos Verdes blue butterfly, California Department of Fish and Game Local Assistance Grant Program, Project Director, 2007–2009, \$15,000

Experimental captive propagation of Laguna Mountains Skipper, U.S. Fish and Wildlife Service, Project Director, 2007–2008, \$59,000

Phase III of *Green Visions Plan for 21<sup>st</sup> Century Southern California*, Wildlife Conservation Agency, Co-PI, 2007–2009, \$397,800

Captive propagation of and surveys for endangered Palos Verdes blue butterfly, Defense Logistics Agency, Project Manager, 2007, \$51,410

Guidelines for wildlife-friendly lighting, National Park Service, PI, 2006–2007, \$20,000

Stable isotope analysis to describe food webs of insect communities that include *Rhaphiomidas* species, U.S. Fish and Wildlife Service, PI, 2006–2007, \$15,000

Captive propagation of and surveys for endangered Palos Verdes blue butterfly, Defense Logistics Agency, PI, 2006, \$53,997

Anonymous peer review and biostatistical analysis of a major state-funded research project, Undisclosed State Agency, PI, 2006, \$7,500

Historical Ecology of Southern California Wetlands, University of Southern California Sea Grant, PI, 2006–2008, \$100,000

Historical ecology of San Gabriel River riparian forests, Southern California Coastal Water Research Project, PI, 2006, \$58,000

Status and trends of Western Snowy Plover in Central Coast region of California, California State Parks, PI, 2005–2007, \$180,000

Captive propagation of and surveys for endangered Palos Verdes blue butterfly, Defense Logistics Agency, PI, 2005, \$49,837

Underwriting publication of book, *Ecological Consequences of Artificial Night Lighting*, U.S. Geological Survey, PI, 2005, \$5,000

Population monitoring and trend analysis approach for Western Snowy Plover in Central Coast region of California, Morro Coast Audubon Society, PI, 2004–2005, \$10,000

Captive propagation of endangered Palos Verdes blue butterfly, Defense Logistics Agency, PI, 2004, \$38,729

Phase I and II of *Green Visions Plan for 21<sup>st</sup> Century Southern California*, San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy and others, Co-PI, 2003–2006, \$889,000

Analysis of butterfly survey data from San Bruno Mountain Habitat Conservation Plan, 1982–2000, Thomas Reid Associates, Inc. (for County of San Mateo, California), PI, 2003, \$14,200

Beach bluffs restoration project, Santa Monica Bay Restoration Commission and City of Redondo Beach, Co-PI, 2003, \$151,000

Captive propagation of and surveys for the endangered Palos Verdes blue butterfly Defense Logistics Agency, PI, 2003, \$43,779

Phytoremediation with native plants, James C. Zumberge Fund for Innovation, University of Southern California, Co-PI, 2003, \$50,000

Book support: *Ecological Consequences of Artificial Night Lighting*, Conservation and Research Foundation, PI, 2003, \$5,000

Urban Forest Assessment and Outreach at UCLA, California ReLeaf, PI, 2003, \$7,500

Management plan for Kern primrose sphinx moth, U.S. Fish and Wildlife Service, PI, 2002, \$10,000

Recovery plan for endangered Callippe silverspot butterfly, U.S. Fish and Wildlife Service, PI, 2002, \$24,000

Conference support: *Ecological Consequences of Artificial Night Lighting*, National Fish and Wildlife Foundation, PI, 2002, \$5,000

Conference support: *Ecological Consequences of Artificial Night Lighting*, Electric Power Research Institute, 2002, \$2,000

Captive propagation of endangered Palos Verdes blue butterfly, Defense Logistics Agency, PI, 2002, \$42,665

Habitat restoration for endangered El Segundo blue butterfly on private property in Torrance, California U.S. Fish and Wildlife Service Landowner Incentive Program, PI, 2001, \$37,300

Toward a sustainable Los Angeles: a “nature’s services” approach, John Randolph Haynes and Dora Haynes Foundation, co-author and key personnel, 2000, \$398,000

Assessment “Cool Schools” tree planting program, Los Angeles Department of Water and Power, PI, 2000, \$9,000

Native plants in phytoremediation, New Research Design Award for a More Sustainable Los Angeles Region, John Randolph Haynes and Dora Haynes Foundation, PI, 2000, \$5,000

### Grants Submitted

Domestication, Diversification, and Homologous Series in Fertile Crescent Grain Legumes, National Science Program PGRP-MINE, co-PI, 2016, \$892,320

Measuring Ambient Nighttime Light in Sleeping Habitats: An Alzheimer’s Care Case Study, Southern California Environmental Health Sciences Center, PI, 2016, \$82,500

ABI Innovation: Automated Georeferencing of Past Place Names in Biological Collections and Data Archives using Historical Maps, National Science Foundation, co-PI, 2016, \$748,161

Building for Birds: How can Biodiversity Concerns Be Incorporated into Urban Planning and Design? [workshop proposal], National Center for Socio-environmental Synthesis, co-PI, 2016

Is Darkness on Beaches an Ecological Refuge? USC Sea Grant, PI, 2014, \$69,883

Does Light at Night Affect Age of Menarche in Girls? Southern California Environmental Health Sciences Center Pilot Project, PI, 2014, \$50,000

Dimensions: The Light Side of Dark - Community Desynchronization by Urbanization, NSF Dimensions in Biodiversity, co-PI, 2012, \$999,979

Development and Validation of a Prototype Smartphone System to Investigate Social Influences on Illumination in Sleeping Environments, National Institutes of Health: Sleep and Social Environment: Basic Biopsychosocial Processes (R21), PI, 2011, \$442,451

Dimensions: From Natural to Urban (and Back), NSF Dimensions in Biodiversity, co-PI, 2011, \$999,900

Mansionization and the Capacity of Single-Family Residential Neighborhoods to Provide Ecosystem Services, Haynes Foundation, PI, 2010, \$131,298

## F. BIBLIOGRAPHY

### Peer Reviewed Articles

35. Lee, S. J, T. Longcore, C. Rich, and J. P. Wilson. Increased home size and hardscape decreases urban forest cover in Los Angeles County's single-family residential neighborhoods. *Urban Forestry and Urban Greening* (2017).
34. Longcore, T., and C. Rich. Ecological and organismic effects of light pollution. *eLS: Citable Reviews in the Life Sciences* doi: 10.1002/9780470015902.a0026328 (2016).
33. Kensek, K., Ding, Y., and T. Longcore. Green building and biodiversity: facilitating bird friendly design with building information models. *Journal of Green Building* 11(2):116–130 (2016).
32. Paudel, S., G.W.T. Wilson, B. MacDonald, T. Longcore, and S. R. Loss. Predicting spatial extent of invasive earthworms on an oceanic island. *Diversity and Distributions* 22(10):1013–1023 (2016).
31. Paudel, S., T. Longcore, B. MacDonald, M. McCormick, K. Szlavecz, G. Wilson, and S. R. Loss. Belowground interactions with aboveground consequences: invasive earthworms and arbuscular mycorrhizal fungi. *Ecology* 97(3):605–614 (2016).
30. Swaddle, J. P., C. D. Francis, J. R. Barber, C. Cooper, C. C. M. Kyba, D. M. Dominoni, G. Shannon, E. Aschehoug, S. Goodwin, A. Y. Kawahara, D. Luther, K. Spoelstra, M. Voss, and T. Longcore. A framework to assess evolutionary responses to anthropogenic light and sound. *Trends in Ecology and Evolution* 30(9):550–560 doi: 10.1016/j.tree.2015.06.009 (2015).
29. Longcore, T., H. Aldern, J. Eggers, S. Flores, L. Franco, E. Hirshfield-Yamanishi, L. Petrinc, W. Yan, and A. Barroso. Tuning the white light spectrum of LEDs to reduce attraction of nocturnal arthropods. *Philosophical Transactions B* doi: 10.1098/rstb.2014.0125 (2015).
28. Longcore, T., and P. A. Smith. On avian mortality associated with human activities. *Avian Conservation and Ecology* 8(2):1 (2013).
27. Longcore, T., C. Rich, P. Mineau, B. MacDonald, D. Bert, L. M. Sullivan, E. Mutrie, S. A. Gauthreaux Jr., M. L. Avery, R. L. Crawford, A. M. Manville II, E. R. Travis, and D. Drake. Avian mortality at communication towers in the United States and Canada: which species, how many, and where? *Biological Conservation* 158:410–419 (2013).

26. Newell, J. P., M. Seymour, T. Yee, J. Renteria, **T. Longcore**, J. R. Wolch, and A. Shishkovsky. Green alleys: planning for a sustainable urban infrastructure? *Cities* 31:144–155 (2013).
25. Bartos, M., S. Dao, D. Douk, S. Falzone, E. Gumerlock, S. Hoekstra, K. Kelly-Reif, D. Mori, C. Tang, C. Vasquez, J. Ward, S. Young, A. Morzillo, S.P.D. Riley, and **T. Longcore**. Use of anticoagulant rodenticides in single-family neighborhoods along an urban-wildland interface in California. *Cities and the Environment* 4(1):art12 (2012).
24. **Longcore, T.**, C. Rich, P. Mineau, B. MacDonald, D. G. Bert, L. M. Sullivan, E. Mutrie, S. A. Gauthreaux Jr., M. L. Avery, R. L. Crawford, A. M. Manville II, E. R. Travis, and D. Drake. An estimate of avian mortality at communication towers in the United States and Canada. *PLoS ONE* 7(4):e34025 (2012).
23. Rodrigues, P., C. Aubrecht, A. Gil, **T. Longcore**, and C. Elvidge. Remote sensing to map light pollution stress on Cory's Shearwater, *Calonectris diomedea borealis*, on São Miguel Island, Azores Archipelago. *European Journal of Wildlife Research* 58:147–155 (2011).
22. **Longcore, T.**, and C. Rich. Light pollution and ecosystems. ActionBioscience.org original article [http://www.actionbioscience.org/environment/longcore\\_rich.html](http://www.actionbioscience.org/environment/longcore_rich.html). (June 1, 2010).
21. **Longcore, T.** Sensory ecology: night lights alter reproductive behavior of blue tits. *Current Biology* 20(20):R893–R895 (2010).
20. Stein, E., S. Dark, **T. Longcore**, N. Hall, M. Beland, R. Grossinger, J. Casanova, and M. Sutula. Historical ecology as a tool for assessing landscape change and wetland and riparian restoration priorities. *Wetlands* 30(3):589–601 (2010).
19. **Longcore, T.**, C. S. Lam, P. Kobernus, E. Polk, and J. P. Wilson. Extracting useful data from imperfect monitoring schemes: endangered butterflies at San Bruno Mountain, San Mateo County, California (1982–2000) and implications for habitat management. *Journal of Insect Conservation* 14(4):335–346 (2010).
18. **Longcore, T.**, C. Rich, and L. M. Sullivan. Critical assessment of claims regarding management of feral cats by trap–neuter–return. *Conservation Biology* 23:887–894 (2009).
17. Aubrecht, C., C. D. Elvidge, **T. Longcore**, C. Rich, J. Safran, A. E. Strong, C. M. Eakin, K. E. Baugh, B. T. Tuttle, A. T. Howard, and E. H. Erwin. A global inventory of coral reef stressors based on satellite observed nighttime lights. *Geocarto International* 23(6):467–479 (2008).
16. **Longcore, T.**, C. Rich, and S. A. Gauthreaux, Jr. Height, guy wires, and steady-burning lights increase hazard of communication towers to nocturnal migrants: a review and meta-analysis. *Auk* 125(2):486–493 (2008).
15. Elvidge, C. D., P. Cinzano, D. R. Pettit, J. Arvesen, P. Sutton, C. Small, R. Nemani, **T. Longcore**, C. Rich, J. Safran, J. Weeks, and S. Ebener. The Nightsat mission concept. *International Journal of Remote Sensing* 28(12):2645–2670 (2007).
14. **Longcore, T.**, C. Rich, and D. Müller-Schwarze. Management by assertion: beavers and songbirds at Lake Skinner (Riverside County, California). *Environmental Management* 39(4):460–471 (2007). [Recommended by Faculty of 1000 Biology, March 29, 2007.]
13. Jump, P. M., **T. Longcore**, and C. Rich. Ecology and distribution of a newly discovered population of the federally threatened *Euproserpinus euterpe*. *Journal of the Lepidopterists' Society* 60(1):41–50 (2006).



12. Longcore, T., R. Mattoni, and A. Mattoni. Salvage of individual pupae as a mitigation measure for loss of Palos Verdes blue butterfly habitat. *Journal of the Lepidopterists' Society* 59(1):10–11 (2005).
11. Longcore, T., C. Li, and J. P. Wilson. Applicability of CITYgreen urban ecosystem analysis software to a dense urban neighborhood. *Urban Geography* 25(2):173–186 (2004).
10. Longcore, T., and C. Rich. Ecological light pollution. *Frontiers in Ecology and the Environment* 2(4):191–198 (2004).
9. Longcore, T. Arthropods as indicators of restoration success in coastal sage scrub (California, U.S.A.). *Restoration Ecology* 11(4):397–409 (2003).
8. Mattoni, R., T. Longcore, Z. Krenova, and A. Lipman. Mass rearing the endangered Palos Verdes blue butterfly (*Glaucopsyche lygdamus palosverdesensis*: Lycaenidae). *Journal of Research on the Lepidoptera* 37:55–67 (2003).
7. Longcore, T., R. Mattoni, C. Zonneveld, and J. Bruggeman. [INCA] INsect Count Analyzer: a tool to assess responses of butterflies to habitat restoration. *Ecological Restoration* 21(1):60–61 (2003).
6. Zonneveld, C., T. Longcore, and C. Mulder. Optimal schemes to detect presence of insect species. *Conservation Biology* 14(2):476–487 (2003).
5. Mattoni, R., T. Longcore, C. Zonneveld, and V. Novotny. Analysis of transect counts to monitor population size in endangered insects: the case of the El Segundo blue butterfly, *Euphilotes bernardino allyni*. *Journal of Insect Conservation* 5(3):197–206 (2001).
4. Mattoni, R., T. Longcore, and V. Novotny. Arthropod monitoring for fine scale habitat analysis: a case study of the El Segundo sand dunes. *Environmental Management* 25(4):445–452 (2000).
3. Mattoni, R., and T. R. Longcore. The Los Angeles coastal prairie, a vanished community. *Crossosoma* 23(2):71–102 (1997).
2. Mattoni, R., G. F. Pratt, T. R. Longcore, J. F. Emmel, and J. N. George. The endangered Quino checkerspot butterfly, *Euphydryas editha quino* (Lepidoptera: Nymphalidae). *Journal of Research on the Lepidoptera* 34:99–118 (1997).
1. Longcore, T. R., and P. W. Rees. Information technology and downtown restructuring: the case of New York City's financial district. *Urban Geography* 17(4):354–372 (1996).

#### Peer Reviewed Articles In Press

1. Gillespie, T. W., K. S. Willis, S. Ostermann-Kelm, T. Longcore, F. Federico, L. Lee, and G. M. MacDonald. Inventorying and monitoring night light distribution and dynamics in the Mediterranean Coast Network of Southern California. *Natural Areas Journal* (2017).

#### Peer Reviewed Articles Submitted

1. Paudel, S., Benavides, J. C., B. MacDonald, T. Longcore, G. W. T. Wilson, and S. Loss. Determinants of native and non-native plant community structure in an oceanic island. *Ecosphere*.
2. Donners, M., R.H.A. van Grunsven, D. Groenendijk, F. van Langevelde, J.W. Bikker, T. Longcore, and E. Veenendaal. Colours of attraction: a general model for insect phototaxis. *Scientific Reports*.
3. Longcore, T., L. Almaleh, B. Chetty, K. Francis, R. Freidin, C.-S. Huang, B. Pickett, D. Schreck, B. Scuggs, E. Shulman, A. Swauger, A. Tashnek, M. Wright, and E. E. Boydston. Assumptions vs.

evidence on wildlife corridor use in environmental impact assessment: a southern California case study. *Cities and the Environment*.

4. **Longcore, T.**, N. Noujdina, and P. Dixon. Landscape modelling to predict the potential natural vegetation of Santa Catalina Island (California). *Western North American Naturalist*.

#### Peer Reviewed Articles In Preparation

1. **Longcore, T.**, N. Noujdina, P. Dixon, Emma Havstad, and Bryan Munson. Habitat suitability modelling to predict suitable habitat for *Sibara filifolia* — a rare Channel Islands plant.
2. **Longcore, T.**, et al. Rapid spectral assessment of alternative outdoor lighting sources to reduce ecological consequences. *Conservation Letters*.
3. Jia, S., T. W. Gillespie, and **T. Longcore**. Stable nighttime lights declined in protected areas of California (1992–2012). *Environmental Research Letters*.

#### Peer Reviewed Reports

2. Gillespie, T. W., K. S. Willis, S. Ostermann-Kelm, O. Jenkins, F. Federico, **T. Longcore**, L. Lee, and G. M. MacDonald. The distribution and dynamics of nighttime lights in the Mediterranean Coast Network of Southern California: Cabrillo National Monument, Channel Islands National Park, Santa Monica Mountains National Recreation Area. Natural Resource Report NPS/MEDN/NRR—2016/1290. National Park Service, Fort Collins, Colorado, p. 1–34. doi: 10.13140/RG.2.2.29482.21440 (2016)
1. **Longcore, T.**, and C. Rich. Artificial night lighting and protected lands: ecological effects and management approaches. Natural Resource Report NPS/NRSS/NSNS/NRR—2016/1213. National Park Service, Fort Collins, Colorado, pp. 1–51 (2016).

#### Non-Peer Reviewed Reports

140. Safran, S. M., S. A. Baumgarten, E. E. Beller, J. A. Crooks, R. M. Grossinger, J. Lorda, **T. R. Longcore**, D. Bram, S. J. Dark, E. D. Stein, and T. L. McIntosh. Tijuana River Valley historical ecology investigation. Prepared for the State Coastal Conservancy. A Report of SFEI-ASC's Resilient Landscapes Program, Publication # 760, San Francisco Estuary Institute-Aquatic Science Center, Richmond, California, pp. 1–216 (January 2017).
139. **Longcore, T.** Introduction. Pp. 1–5 in *Urban Biodiversity Assessment: Baldwin Hills Biota Update* (T. Longcore, ed.). Los Angeles: University of Southern California for Baldwin Hills Conservancy (Proposition 84) and Baldwin Hills Regional Conservation Authority (Proposition A) (November 2016).
138. **Longcore, T.** and N. Noujdina. Vegetation of the Baldwin Hills. Pp. 6–39 in *Urban Biodiversity Assessment: Baldwin Hills Biota Update* (T. Longcore, ed.). Los Angeles: University of Southern California for Baldwin Hills Conservancy (Proposition 84) and Baldwin Hills Regional Conservation Authority (Proposition A) (November 2016).
137. **Longcore, T.** (ed.). *Urban Biodiversity Assessment: Baldwin Hills Biota Update*. Los Angeles: University of Southern California for Baldwin Hills Conservancy (Proposition 84) and Baldwin Hills Regional Conservation Authority (Proposition A) (November 2016).
136. Brooks, T. M. Griswold, B. V. Brown, J. P. Dines, K. L. Garrett, M. Ordeñana, G. B. Pauly, **T. Longcore**, and K. Sloniowski. Chapter 5: Habitat Enhancement Opportunities. Pp. 5-1–5-16 in *Water Supply and Habitat Resiliency for a Future Los Angeles River: Site-Specific Natural*

- Enhancement Opportunities Informed by River Flow and Watershed-Wide Action: Los Feliz to Taylor Yard. The Nature Conservancy, Urban Conservation Program, Los Angeles (December 2016).
135. **Longcore, T.** Chapter 2: Historical Ecology of the Los Angeles River Riparian Zone in the Elysian Valley. Pp. 2-1-2-29 *in* Water Supply and Habitat Resiliency for a Future Los Angeles River: Site-Specific Natural Enhancement Opportunities Informed by River Flow and Watershed-Wide Action: Los Feliz to Taylor Yard. The Nature Conservancy, Urban Conservation Program, Los Angeles (December 2016).
  134. Johnson, J., Q. Sweeney, K. Virun, T. Wilson, Y. Xia, C. Tuday, M. Kim, A. Madsen, P. Madsen, S. Walters, N. Hubeek, N. Wilson, and **T. Longcore**. Final Report for 2015 Palos Verdes Blue Butterfly Captive Rearing on Defense Fuel Support Point, San Pedro, California and The Butterfly Project, Moorpark, California. Los Angeles: The Urban Wildlands Group (NAVFAC SW Agreement # N62473-15-2-0001) (May 2016).
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2. Longcore, T. *Risk, technology, and place: siting a radioactive waste dump in California's Ward Valley*. M.A. Thesis, Department of Geography, University of California, Los Angeles (1995).
1. Longcore, T. *Information technology and world city restructuring: the case of New York City's financial district*. Honors B.A. Thesis, Department of Geography, University of Delaware, Newark, Delaware (1993).

#### Editorials and Letters to the Editor

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5. Longcore, T. Opinion: No-kill movement means death for birds. *Bird Calls* 16(3):3 (October 2012)
4. Longcore, T., and C. Rich. Light pollution is harming our ecosystems. *UCLA Today* (November 17, 2006).
3. Longcore, T. Fire clearance. *Los Angeles Times* (April 29, 2000).
2. Longcore, T. Further enlightenment. *Malibu Times* (February 4, 1999).
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63. Longcore, T., N. Noujdina, and P. Dixon. *Environmental Niche Modeling Generates Hypotheses of Potential/Historical Natural Vegetation: A California Channel Islands Case Study*. American Association of Geographers Annual Meeting (San Francisco, California, April 5, 2017).
62. Longcore, T. *Ecologically Sensitive Lighting Design* [3-part presentation with Linnaea Tillett and Nancy Clanton]. American Society of Landscape Architects 2016 Annual Meeting & Expo (New Orleans, Louisiana, October 21–24, 2016).
61. Longcore, T., N. Noujdina, and P. Dixon. *Landscape modelling to predict the potential natural vegetation of Santa Catalina Island (California)*. 9<sup>th</sup> California Channel Islands Symposium (Ventura, California, October 3–7, 2016).
60. Longcore, T. *Envisioning nature in the city* [invited]. California Naturalist 2016 Statewide Conference (Running Springs, California, September 9–11, 2016).
59. Longcore, T. *Nighttime lighting blues: juggling the needs of people and critters*. LightFair International 2016 (San Diego, California, April 25, 2016).
58. Longcore, T. *Historical ecology of the Los Angeles River's Elysian Valley*. American Association of Geographers Annual Meeting (San Francisco, California, April 2, 2016).
57. Longcore, T. *Light pollution as global change*. California State Parks Association Mind Walk Lecture Series (Morro Bay, California, March 7, 2016).
56. Longcore, T. *Light pollution and the ecological consequences of artificial night lighting*. [AIA Health and NCQLP Continuing Education Units]. Illuminating Engineering Society – Mission (Antioch University, Santa Barbara, February 19, 2016).
55. Longcore, T. *Light pollution as global change*. International Dark-Sky Association Annual Meeting (Phoenix, Arizona, November 14–15, 2015).
54. Moffett, B., A. Carlson, T. Longcore, and K. McPherson. *QuakeUpLA: creating and interactive seismicity and building response map tool*. ATC/USGS Seismic Hazard User-Needs Workshop (Menlo Park, California, September 21, 2015).
53. Paudel, S., B. MacDonald, T. Longcore, G. W. T. Wilson, and S. R. Loss. *Non-native earthworms in a historically earthworm free California Channel Island: drivers and ecological effects of earthworm invasions*. Ecological Society of America Annual Meeting (Baltimore, Maryland, August 11, 2015).
52. Longcore, T. *Light pollution as global change* [invited]. Artificial Light at Night 2015 (Sherbrooke, Quebec, May 29–31, 2015).
51. Longcore, T. *Historical wetlands of Southern California*. World Wetlands Day (Newport Bay Conservancy) (Back Bay Science Center, January 31, 2015).
50. Stein, E., T. Longcore, R. Grossinger, and D. Jacobs. *How open is open? How closed is closed? Classification of mouth closure patterns*. Headwaters to Ocean (H2O) (San Diego, California, May 27, 2014).
49. Jacobs, D. K., M. H. Rale, E. Stein, T. Longcore, and C. C. Swift. *Historic process and closure dynamics in California coastal estuaries from the Bay Bridge to the Mexican border*. Coastal and Estuarine Research Foundation 2013 (San Diego, California, November 3–7, 2013).



48. **Longcore, T.** Beyond turtles and towers: outdoor lighting, wildlife, and the environment. Illuminating Engineering Society, Street and Area Lighting Conference (Phoenix, Arizona, September 9–11, 2013).
47. **Longcore, T.** *Use of natural history records in reconstruction of pre-urban Southern California landscapes.* Association of American Geographers 108<sup>th</sup> Annual Meeting (Los Angeles, California, April 11, 2013).
46. Stein, E. D., S. Dark, **T. Longcore**, R. Grossinger, and J. Casanova. *Historical ecology as a tool for informing restoration planning in the San Gabriel watershed.* Southern California Academy of Sciences Annual Meeting (Los Angeles, California, May 2012).
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44. Lee, S. J., **T. Longcore**, C. Rich, J. P. Wilson, and K. C. Clarke. *Mansionization monitoring using Remote Sensing and GIS.* ESRI User Conference (San Diego, California, July 2011).
43. Lee, S. J., **T. Longcore**, and J. P. Wilson. *A study of the ecological consequences of mansionization in Los Angeles County.* Association of American Geographers 106<sup>th</sup> Annual Meeting (Seattle, Washington, April 2011).
42. Aubrecht, C., M. Jaiteh, A. de Sherbinin, **T. Longcore**, and C. Elvidge. *A call for urban lighting governance in the vicinity of protected areas.* BiodiverCities 2010 (Paris, France, September 2010).
41. Aubrecht, C., P. Rodrigues, A. Gil, C. D. Elvidge, and **T. Longcore.** *SOS call from nature: observing effects of artificial night lighting on marine birds on the Azores.* 10<sup>th</sup> European Symposium for the Protection of the Night Sky (Kaposvár, Hungary, September 2010).
39. **Longcore, T.**, and C. Rich. *Considerations in designing wildlife-friendly night lighting.* International Congress for Conservation Biology (Edmonton, Alberta, July 3–9, 2010).
38. Lee, S. J, **T. Longcore**, and J. P. Wilson. *Identification of municipal policies that influence the distribution of green cover across metropolitan regions.* Joint International Conference on Theory, Data Handling and Modelling in GeoSpatial Information Science (Hong Kong, 26–28 May 2010).
37. Lee, S. J., **T. Longcore**, and J. P. Wilson. *Modeling the ecological impacts of mansionization in metropolitan regions.* Association of American Geographers 106<sup>th</sup> Annual Meeting (Washington, D.C., March, 2010).
36. **Longcore, T.**, C. Rich, P. Mineau, B. MacDonald, D. G. Bert, L. M. Sullivan, E. Mutrie, S. A. Gauthreaux Jr., M. L. Avery, R. L. Crawford, A. M. Manville II, E. R. Travis, and D. Drake. *An estimate of avian mortality at communication towers in North America by species and region.* Cooper Ornithological Society/American Ornithologists' Union/Society of Canadian Ornithologists 2010 Joint Meeting (San Diego, California, February 7–11, 2010).
35. **Longcore, T.** *Conservation of bluff and dune habitat and the recovery of the El Segundo blue butterfly* [invited]. State of the Bay Conference, Santa Monica Bay Restoration Commission (Loyola Marymount University, January 13, 2010).
34. Jacobs, D. K., D. Earl, G. Dolby, **T. Longcore**, E. Stein, and C. Swift. *Formation, closure and classification of southern California estuaries.* Headwaters to Ocean (H2O) Conference (Long Beach, California, October 27–29, 2009).

33. **Longcore, T.** *Progress and prospects for recovery of the Palos Verdes blue butterfly, an urban conservation success.* Urban Wildlife Ecology and Management: An International Symposium on Urban Wildlife and the Environment (Amherst, Massachusetts, June 21–24, 2009).
32. **Longcore, T., C. Rich.** *Feral cats as sacred cows: trap–neuter–return and the future of urban conservation.* Urban Wildlife Ecology and Management: An International Symposium on Urban Wildlife and the Environment (Amherst, Massachusetts, June 21–24, 2009).
31. **Longcore, T.** *Species modeling for urban conservation.* Association of American Geographers 105th Annual Meeting (Las Vegas, Nevada, March 22–27, 2009).
30. **Jacobs, D. K., T. Longcore, E. Stein, and C. C. Swift.** *Function, classification, and historical ecology of southern California estuaries.* California Estuarine Research Society 2009 Annual Meeting (Bodega, California, March 17–18, 2009).
29. **Longcore, T.** *Open space, habitat conservation and watershed health in a metropolitan region: the Green Visions Plan for 21st Century Southern California* [invited keynote]. Urban Ecosystem Research Consortium 9<sup>th</sup> Annual Symposium (Portland State University, Portland, Oregon, January 26, 2009).
28. **Longcore, T.** *Life on the frontier: we are not apart from the environment; we are a part of it.* Building a Healthier San Gabriel River Watershed (El Monte, California, September 16–17, 2008).
27. **Stein, E., S. Dark, T. Longcore, N. Hall, M. Beland, R. Grossinger, J. Casanova, and M. Sutula.** *Seeing the future by looking pre-modification: historic ecology as a tool for restoration planning.* Building a Healthier San Gabriel River Watershed (El Monte, California, September 16–17, 2008).
26. **Longcore, T.** *Lighting and wildlife: spectral considerations.* Outdoor Lighting Symposium (California Lighting Technology Center, Davis, September 9–10, 2008).
25. **Longcore, T.** *Green infrastructure for sustainable urban landscapes.* GreenXchange Global Marketplace Conference (Los Angeles, California, December 10–11, 2007).
24. **MacDonald, B., T. Longcore, and S. Dark.** *Inductive and deductive habitat models predict historic distribution of Western Snowy Plover on the Central Coast of California.* Association of American Geographers 103rd Annual Meeting (San Francisco, California, April, 2007).
23. **Nguyen, T., T. Longcore, and J.P. Wilson.** *Green does not mean ecologically vibrant in a Mediterranean climate.* Association of American Geographers 103rd Annual Meeting (San Francisco, California, April, 2007).
22. **Swift, J.N., T.R. Longcore, J.R. Wolch, and J.P. Wilson.** *Decision-support web tools for the Green Visions Plan for 21st Century Southern California.* Association of American Geographers 103rd Annual Meeting (San Francisco, California, April, 2007).
21. **Longcore, T., and C. Rich.** *Lights out! For nature* (12-minute narrated presentation on DVD). The Night: Why Dark Hours Are So Important (Washington, D.C., February 21–22, 2007). [Later presented by invitation of UNESCO Man and the Biosphere Program at StarLight: A Common Heritage (La Palma, Canary Islands, Spain, April 19–20, 2007).]
20. **Longcore, T., C. Rich, and C. Luginbuhl** (presenter). *Biological and ecological consequences of night lighting.* 33<sup>rd</sup> Annual Natural Areas Conference (Flagstaff, Arizona, September 20–23, 2006).
19. **Dark, S., E. Stein, R. M. Grossinger, and T. Longcore.** *Mapping the historical distribution of wetlands in southern California.* 2006 ESRI International User Conference (Redlands, California, August 7–11, 2006).

18. Lam, C., T. Longcore, and J.P. Wilson. *The identification of habitat linkages for selected target species in the southern California urban matrix*. Association of American Geographers 102nd Annual Meeting (Chicago, Illinois, March, 2006).
17. Longcore, T., and C. Rich. *Lighting and wildlife: best management practices*. International Dark-Sky Association Fall Meeting (Yellowstone National Park, September 16–17, 2005).
16. Lam, C., T. Longcore, and J. P. Wilson. *Analysis of butterfly survey data and methodology from San Bruno Mountain Habitat Conservation Plan (1982–2000)*. Association of American Geographers 101st Annual Meeting (Denver, Colorado, March, 2005).
15. Longcore, T., and C. Rich. *Ecological consequences of artificial night lighting in natural lands management*. Invited paper presented at George Wright Society Biennial Conference (San Diego, California, April 14–18, 2003).
14. Li, C., T. Longcore, and J. P. Wilson. *Nature's services in a dense urban neighborhood*. Association of American Geographers 99th Annual Meeting (New Orleans, Louisiana, March, 2003).
13. Longcore, T., C. Zonneveld, J. Bruggeman, and R. Mattoni. *Tracking population responses of the endangered Palos Verdes blue butterfly to habitat enhancement using INCA (INsect Count Analyzer)*. The Ecological Society of America 87th Annual Meeting/Society for Ecological Restoration 14th Annual International Conference (Tucson, Arizona, August 4–9, 2002).
12. Longcore, T., and J. P. Wilson. *Applicability of CITYgreen urban ecosystem analysis software to a densely built urban neighborhood*. Association of American Geographers 98th Annual Meeting (Los Angeles, California, March 19–23, 2002).
11. Longcore, T. *Obvious and insidious effects of sprawl on wildlife* (invited plenary speaker). Smart Growth for Californians and Wildlife, National Wildlife Federation and Planning and Conservation League (San Diego, California, May 19–20, 2001).
10. Longcore, T. *Ecological effects of fuel modification on arthropods and other wildlife in an urbanizing wildland*. Fire Conference 2000: The First National Congress on Fire Ecology, Prevention and Management (San Diego, California, November 27–December 1, 2000).
9. Longcore, T. *Response of terrestrial arthropod communities in coastal sage scrub to short-term climate change*. Association of American Geographers 96th Annual Meeting (Pittsburgh, Pennsylvania, April 5–9, 2000).
8. Longcore, T. *Terrestrial arthropods and restoration: if you build it, will they come?* Society for Ecological Restoration Eleventh Annual Conference/Xerces Society Annual Meeting (The Presidio of San Francisco, September 23–25, 1999).
7. Longcore, T. *Putting the bugs in: assessing ecological restoration with terrestrial arthropods*. Association of American Geographers 95th Annual Meeting (Honolulu, Hawaii, March 23–27, 1999).
5. Mattoni, R., J. George, T. Longcore, and G. Pratt. *Scale and the resonating impact of an exotic plant*. Southern California Academy of Sciences Annual Meeting (California State University, Fullerton, May 2–3, 1997).
4. Longcore, T., R. Mattoni, G. Pratt, and C. Rich. *On the perils of ecological restoration: lessons from the El Segundo blue butterfly*. 2nd Interface Between Ecology and Land Development in California (Occidental College, Los Angeles, California, April 18–19, 1997).

2. **Longcore, T.** *The role of science in Natural Community Conservation Planning*. Restoring Our Commitment to Recovery in the Era of the Habitat Conservation Plan, Endangered Species Defense Coalition (Starr Ranch, California, July 30, 1996).
1. **Longcore, T.** *Mainland colonization by endemic insular taxa*. XXXth Annual Southwest Population Biology Conference (James Reserve, California, April 20–21, 1996).

#### Poster Sessions

4. **Longcore, T., N. Noujdina, P. Dixon, Emma Havstad, and Bryan Munson.** Habitat suitability modelling to predict suitable habitat for *Sibara filifolia* — a rare Channel Islands plant. 9<sup>th</sup> California Channel Islands Symposium (Ventura, California, October 3–7, 2016). [Also presented at Southern California Botanists Annual Meeting, Claremont College, Claremont, California, October 8, 2016].
3. Aubrecht, C., M. Jaiteh, A. de Sherbinin, **T. Longcore**, and C. D. Elvidge. Assessing impact of urban settlements on nearby protected areas: a satellite based global monitoring approach. EGU (European Geosciences Union) General Assembly 2010. *Geophysical Research Abstracts* 12:EGU2010-12758. Poster. Vienna, Austria.
2. Mattoni, R., **T. Longcore**, J. George, and C. Rich. Down memory lane: the Los Angeles coastal prairie and its vernal pools. Poster presented at 2nd Interface Between Ecology and Land Development in California (Occidental College, Los Angeles, California, April 18–19, 1997).
1. **Longcore, T.** and C. Rich. 419 acres: UCLA's natural history. 1. Land use, 2. Biological homogenization, 3. Island biogeography. Poster series and display presented at California's Biodiversity Crisis: The Loss of Nature in an Urbanizing World (UCLA, October 24–25, 1998).

#### Popular Articles and Reports

20. **Longcore, T.** Conservation conversation: Western Snowy Plovers past and future in Los Angeles County. *Western Tanager* 83(2):6–7 (November/December 2016).
19. **Longcore, T.** Conservation conversation: caring for nature in an age of utility. *Western Tanager* 83(1): 15 (September/October 2016).
18. **Longcore, T.,** and C. Rich. The night environment. *The Glenite* (Fall 2015).
17. **Longcore, T.** What should be the official animal of Los Angeles? *Zócalo Public Square* (August 9, 2013).
16. **Longcore, T.** President's column. *Western Tanager* 78(6):E6–E7 (July/August 2012).
15. **Longcore, T.** UCLA undergraduates tackle urban wildlife research projects. *Urban Wildlife News (Newsletter of the Urban Wildlife Working Group of The Wildlife Society)* 10(2):8–9 (February 2012).
14. **Longcore, T.** President's column. *Western Tanager* 77(5):1–2 (2011).
13. Aubrecht, C. M. Stojan-Dolar, A. de Sherbinin, M. Jaiteh, **T. Longcore**, and C. Elvidge. Lighting governance for protected areas and beyond – Identifying the urgent need for sustainable management of artificial light at night. *Earthzine* (online, 2010).
12. Aubrecht, C., C. D. Elvidge, D. Ziskin, **T. Longcore**, and C. Rich. “When the lights stay on” – A novel approach to assessing human impact on the environment. *Earthzine* (online, 2008).
11. **Longcore, T.** Drill, baby, drill? Election 2008 website (election2008.usc.edu), University of Southern California Media Relations (September 12, 2008).

10. Longcore, T., and C. Rich. Invertebrate conservation at the gates of hell. *Wings: Essays on Invertebrate Conservation* [invited] 31(1):9–13 (2008).
9. Longcore, T. Prioritizing multiple-benefit watershed projects: dollars or sense? *Watershed Wise* (Los Angeles and San Gabriel Rivers Watershed Council) (Fall 2006).
8. Stephens, C. Darkness visible: an interview with Travis Longcore and Catherine Rich. *Cabinet* 21:101–103 (2006).
7. Longcore, T., and C. Rich. Urban oaks and urban oak woodlands. *Oaks* (newsletter of the California Oak Foundation), pp. 3, 7 (2003).
6. Longcore, T. (ed.). *Biological assessment: coastal sage scrub at University of California, Los Angeles*. Prepared by Geography 123, Dr. R. Mattoni, Lecturer (unpublished report, December 1997).
5. Longcore, T. The endangered Delhi sand dunes. *Western Tanager* 63(8):1–2 (1997).
4. Longcore, T. LAAS Year in review. *Western Tanager* 63(7):1–3 (1997).
3. Longcore, T. Election special: comparative excerpts from party platforms. *Western Tanager* 63(3):1–3 (1997).
2. Longcore, T. Big birdathon day. *Western Tanager* 63(1):1–3 (1997).
1. Rich, C., and T. Longcore. *Consultation issues at UCLA: landscape and construction* (unpublished report, February 1996).

#### Panels

5. State of the Bay Conference, Santa Monica Bay Restoration Commission, September 11, 2015
4. Natural History of Los Angeles — Our Coastal Environment: Past, Present and Future, Natural History Museum of Los Angeles County and USC Wrigley Institute for Environmental Studies, April 27, 2015
3. Southern California Climate Update, AltBuild Symposium, May 11, 2013
2. The Science Behind the Sustainable Plant Palette, Gardening Under Mediterranean Skies Conference, September 23, 2010
1. ESRI California, Nevada, Hawaii, Regional User Group Conference, invited panelist for closing round table discussion, Redlands, California, February 4, 2010

#### Media Appearances

- Taylor, P. The problem with cats. *McClean's* (February 27, 2017).
- Roy, N. The dark side of too much light. *Financial Times* (January 16, 2017).
- Boyle, R. Daylight saving time could benefit animals. *Inside Science* (November 23, 2016).
- Walker, G. Ballona restoration delayed again. *The Argonaut* (October 19, 2016).
- Sahagun, L. The lowly earthworm poses a dire threat to this California island. *Los Angeles Times* (October 7, 2016).
- Dussault, J. Northern lights: Iceland turns off the lights to admire nature's own. *Christian Science Monitor* (September 29, 2016).

- Dussault, J. Pollinators need a cultural ambassador. Are butterflies up for the assignment? *Christian Science Monitor* (September 26, 2016).
- Guerin, E. Coyote attacks are increasing in Southern California. Why? *KPCC.org* (August 11, 2016).
- Dussault, J. How a zoo in Oregon is helping to save a butterfly species. *Christian Science Monitor* (August 9, 2016).
- Aron, H. Does L.A. really have a coyote problem? *LA Weekly* (July 16, 2016).
- Jackson, C. Wing and a prayer: the El Segundo blue butterfly's outlook improves, thanks to dedicated people restoring its natural habitat. *South Bay Magazine* (July 2016).
- Kramer, D. Nighttime blue-light LEDs cause health problems, AMA warns. *Physics Today* (June 28, 2016).
- E90.5 FM Busan, Korea, radio interview on "The Morning Wave" on light pollution (June 25, 2016).
- Hiddleston, S. The twilight zone. *Nature Middle East* (June 26, 2016).
- Wertheimer, C. Boulder scientists contribute to global light pollution atlas. *Boulder Camera* (June 20, 2016).
- Vartabedian, R. The sunset that takes an hour to go from date palms to redwoods. *Los Angeles Times* (June 20, 2016).
- Lewontin, M. Are LED streetlights really the best answer to more efficient light sources? *Christian Science Monitor* (June 17, 2016).
- Platt, J. R. LED streetlights are good for the Earth, bad for humans and wildlife. *Takepart.com* (June 16, 2016).
- Sahagun, L. Rare toads (presumably) love him; off-roaders do not. *Los Angeles Times* (June 16, 2016).
- Botkin-Kowacki, E. A third of humanity can't see the Milky Way. What can we do to fix that? *Christian Science Monitor* (June 10, 2016).
- Panko, B. Nighttime light pollution covers nearly 80% of the globe. *Science* (June 10, 2016).
- Billings, L. New map shows the dark side of artificial light at night. *Scientific American* (June 10, 2016).
- Iozzio, C. Could LEDs help fight the Zika virus? *Fortune* (May 18, 2016).
- Watson, T. Rare butterflies flying high at Los Angeles Airport. *National Geographic News* (April 21, 2016).
- Goldfarb, B. Malheur's aftershock. *High Country News* (February 1, 2016).
- Sabaté, A. Urban coyotes: where are they? *SoCal Connected* (January 28, 2016).
- Lambert, T. Visualizing global light pollution with GIS. *Directions Magazine* (Fall 2015).
- Dolan, M., L. Sahagun, and A. Sewell. Plans for a new city in the Santa Clarita Valley hit another roadblock. *Los Angeles Times* (November 30, 2015).
- Smith, D. New 5-cat law could bring lawsuit in Los Angeles. *Daily News* (October 20, 2015).
- Lopez, S. In Bel-Air, someone is using 1,300 gallons of water — per hour. *Los Angeles Times* (October 7, 2015).

- Littlejohn, J. R. Roaming coyotes represent ‘new normal’ in South L.A. *Los Angeles Wave* (August 7, 2015)
- Ogunseitan, C. Orange County feral cats booming in ‘kitten season,’ but new fix and release program criticized. *Orange County Register* (June 27, 2015).
- Diener, K. Meet the barn owls that will save your kids from deadly poisons. *RYOT* (July 2, 2015).
- GE Look Ahead Blog. Smart City Lighting: the humble lamp post goes digital (June 10, 2015).
- McNeil Jr., D.G. Making LED Light Bulbs Less Attractive to Insects. *New York Times* (May 25, 2015).
- Mernit, J.L. The Los Angeles wetland wars. *High Country News* (May 11, 2015).
- Wheeling, K. Artificial light may alter underwater ecosystems. *Science* (April 28, 2015).
- Couch, R. New LED lights could play a huge role in ending malaria. *Huffington Post* (April 24, 2015).
- Gendall, J. Darker, Safer. *The Architects Newspaper* (April 21, 2015).
- Schiller, B. New LED Lights Are Stopping Insects Before They Bite Us and Give Us Diseases: Less blue light may mean fewer mosquitoes—and fewer infections. *Fast Company* (April 7, 2015).
- Cohen, A., and J. Margolis. Lab Notes: Did you know that mice could sing? *Take Two* [KPCC Radio] (April 2, 2015).
- Fox, H. An army of cat lovers is feeding L.A.’s feral felines. Should they be? *LA Weekly* (March 31, 2015).
- Ossola, A. Engineering lightbulbs to keep insects away. *Popular Science* (March 26, 2015).
- Bliss, L. A New Frontier in Disease Prevention: Lightbulbs. *CityLab* (March 25, 2015).
- Pantaleo, R. Science World Interview with Travis Longcore – University of Southern California. *Voice of America* (March 27, 2015).
- Good, A. Bright idea could save lives in developing countries: USC researcher leads study of a new kind of light bulb with public health benefits. *USC News* (March 24, 2015)
- Hamilton, M. Lawmakers delay vote on raising cat ownership limit from three to five. *Los Angeles Times* (February 17, 2015).
- Diener, K. California rolls back use of rat poison in bid to protect wildlife, kids. *Aljazeera America* (February 16, 2015).
- Mernit, J. L. Everyone loves wild Animals in their backyard—until they don’t. *takepart.com* (January 30, 2015). Quoted on the rise and significance of urban ecology.
- Karlamangla, S. Garcetti’s high-tech innovation faces old-school hurdles. *Los Angeles Times* (November 22, 2014). Quoted on challenges of adopting new spatial technologies.
- Cavanaugh, K. Is fake grass good for Los Angeles during the drought? *Los Angeles Times* (November 1, 2014). Quoted on adverse impacts of synthetic turf.
- Hoops, Richard. Spatial scientist brings new tools to classic conservation efforts in the Baldwin Hills. *WAVES Newsletter* [Wrigley Institute for Environmental Studies] (Summer 2014; reprinted by USC News).
- Agha, Maria. As jet engines roar, butterflies soar. *Sacramento Bee* (July 26, 2014). Perspective on recovery of the El Segundo blue butterfly.

- Reyes, Emily Alpert. L.A. lawmakers press for cleanup of city's trash-strewn alleys. *Los Angeles Times* (April 30, 2014).
- Lohan, Tara. We're constantly bathed in artificial light - Is it wreaking havoc on our health? *Alternet* (April 27, 2014).
- CCTV English. Television interview on environmental impacts of solar energy development in the Ivanpah Valley (March 2014).
- Littlejohn, Donna. Proposed L.A. city policy would ban feeding feral cats near sensitive areas. *Daily Breeze* (October 3, 2013). Quoted on failure of policy to protect wildlife.
- Miller, Anna Bergren. LA's Natural History Museum addition not for the birds. *Architect's Newspaper Blog* (September 23, 2013).
- Miller, Anna Bergren. LACMA controversy stirs up memories of LA's past environmental disasters. *Architect's Newspaper Blog* (September 20, 2013).
- Taylor, Anna. Article on bird mortality at towers and windows. *Bird Watching* (June 2013).
- Groves, Martha. Restored or ruined? Malibu Lagoon project stirs opinions. *Los Angeles Times* (April 29, 2013). Quote and background information on failure to undertake adequate environmental review.
- Alexander, Zoe. Paradise lost: the rise and fall of Surfridge. *Our South Bay* (April 2013). Quoted on historical landscape of Los Angeles coast.
- Muller, Judy (reporter), Foshay, Karen (producer). "L.A.'s proposed no-kill policy raises hackles on both sides" KCET SoCal Connected (February 11, 2013). On-camera interview and background information. Segment was awarded an Emmy.
- Dye, Lee. Radio and TV towers killing songbirds; solution is simple. *Good Morning America/ABC News* (January 15, 2013).
- Nuwer, Rachel. Communication towers are death traps for threatened bird species. *Surprising Science* (Smithsonian.com; January 14, 2013).
- Haworth, H. And incredibly bright: we have blotted out the night sky. *Earth Island Journal*. (Spring 2013). Background on ecological light pollution.
- Tsong, Jane. Can artists heal nature in LA? (October 25, 2012). Interviewed for ecological perspectives on land art for presentation at workshop.
- Walker, Gary. Ballona Wetlands: Time for public input on wetlands restoration alternatives to end soon. *The Argonaut* (October 18, 2012). Quoted on proposed wetland restoration schemes.
- Mahoney, Thomas. Freelance article (August 1, 2012). Background information on trap-neuter-return of feral cats.
- Gryta, T., and V. Monga. Unflappable raptor puts cellphone carriers on hold: osprey nests, weighing up to half a ton, impede wireless upgrade. *Wall Street Journal*, p. 1 (September 18, 2012). Background information on compliance with Migratory Bird Treaty Act.
- Jordan, Miriam. *Wall Street Journal* (July 23, 2012). Background information on El Segundo blue butterfly.
- Blinded by the light, birds crash into radio towers (June 13, 2012). Live interview with Audie Cornish on NPR's *All Things Considered*.



- Jacobson, Rebecca. Where have all the stars gone? *PBS NewsHour* (June 7, 2012).
- Kurz, Phil. Some 7 million birds killed annually by communication tower collisions, says research. *Broadcast Engineering* (May 17, 2012).
- CBC Radio. Six live radio interviews across Canada on avian mortality at communication towers.
- KCRW Radio. Interviewed for coverage of avian mortality at communication towers (May 2012).
- Nuwer, R. A lethal beacon for migrating birds. *New York Times Green Blog* (May 2012).
- Parry, W. Towers kill 6.8 million birds at year, study estimates. *LiveScience* (May 2012).
- Martins, A. Las torres que cuestan la vida a millones de aves. *BBC Mundo* (May 2012).
- Munro, M. TV, radio towers killing millions of birds, scientists say. *Canada.com* (May 2012).
- Dye, L. 7 Million birds killed each year, confused by TV towers. *Abcnews.com* (May 2012).
- Loftis, R. L. Soaring telecom towers prove deadly for migratory birds. *Dallas Morning News* (May 2012).
- Masters, Nathan. The lost wetlands of Los Angeles. *LA as Subject* (KCET blog) (March 1, 2012). Coverage of historical ecology research and context quote.
- George, A. Wanted: sand for endangered butterfly. *Bay Nature* (May 2012).
- Mulard, C. L'aigle d'or victim de l'or vert. *Le Monde* (August 11, 2011). Quoted on incidental mortality of birds at wind turbine installation.
- Sahagun, L. Federal officials investigate eagle deaths at DWP wind farm. *Los Angeles Times* (August 3, 2011). Quoted on incidental mortality of birds at wind turbine installation.
- Bulter, K. Faster pussycat! Kill! Kill! *Mother Jones* (August 2011).
- Fischer, A. Starry Night. *Places* (June 2011). Citation of work on ecological effects of night lighting.
- Gunnell, K. Lighting the future. *Greenbuild News* (June 2011). Citation of work on ecological light pollution.
- Fosberg, L. Fragile beauty: scientists and communities work together to help preserve butterflies and their habitats. *Alaska Airlines Magazine* (May 2011). Quotes and feature of work on Palos Verdes blue butterfly.
- Parrish, K. Starry night. *American Way* (American Airlines and American Eagle) (May 2011). Quote and background material.
- Milius, S. Street lights turn young duds into studs. *Science News* 178(8):11 (August 2010). Quote for article reviewing new research.
- Aldhous, P. Let there be night, for wildlife's sake. *New Scientist* (July 2010). Quote and background for coverage of symposium.
- Marris, E. In search of dark nights. *Nature News* (July 2010). Quote and background for coverage of symposium.
- Marshall, J. Solar panel attraction deadly for insects. *Discovery News* (June 2010). Quoted for perspective on research article.
- Green, S. Cat management program hopes to curb feral feline population living on campus. *Daily Bruin* (June 2010). Provided background and quoted.

- Andreasson, C. Sophantering i USA- myrsteg i ett slit och släng land [Waste disposal in the USA: baby steps in a disposable country. Klotet [The Globe] (2010). Radio and website story on waste reduction with interview and quotes.
- Andreasson, C. Rapport från USA:s största soptipp [Report from USA's largest dump]. Klotet [The Globe], Swedish Public Radio (video of Longcore as promotion of radio/website article, 2010).
- Silber, J. Interview on research about endangered butterflies at San Bruno Mountain (2010). KALW digital media.
- Tobar, H. Gardening with the natives. *Los Angeles Times* (January 11, 2010). Interview on use of native plants as landscaping in cities.
- Holzman, D. Provided background information on effects of blue light on humans and wildlife. *Environmental Health Perspectives* (October 30, 2009).
- Rothman, T. Paving over Playa Del Rey. *LA Weekly* (October 21, 2009). Quoted on significance of local dune to conservation.
- Williams, T. Incite: felines fatales. *Audubon* 111(5): 30–38 (September 2009). Cited several times and background source.
- KNBC, LA Sunday Morning, live television interview about wildfires (September 20, 2009).
- Reuters (Steve Gorman). Background interview on wildlife and wildfires (September 4, 2009).
- Associated Press (Alicia Chang). Interview on effects of wildfire on ecosystem (September 3, 2009).
- Pasadena Star News (Dan Abendschein). Interview on wildfire policy (September 2, 2009).
- Miller-McCune magazine (Judith Stock). Interviewed about night lighting and wildlife (September 1, 2009).
- Energy Times (Susan Weiner). Interviewed about night lighting and wildlife (August 25, 2009).
- Current TV. Interviewed about urban wildlife in California (July 1, 2009).
- Swedish Public Radio. Interviewed about environmental impacts of “green” energy sources (May 20, 2009).
- Swedish Public Radio. Interviewed about environmental impacts of biofuels (April 21, 2009).
- Ortega, R. Nature overtakes a little bit of Newark. *Newark Star-Ledger* (April 19, 2009). Quoted on value of urban wild lands.
- Swedish Public Radio. Interviewed about response of environmental community to passage of bill designated federal wilderness areas (April 6, 2009).
- Tedford, C. Valley officials urge use of treated wastewater. *San Gabriel Valley Tribune* (April 4, 2009). Quoted on southern California drought.
- Canright, A. Night lights and birds: a perilous journey. *California Coast and Ocean* 24(3) (January 2009). Quoted from background interview.
- Smith, M. Time to turn off the lights. *Nature* 457:27 (January 2009). Cited twice in commentary.
- Chepesiuk, R. Missing the dark: health effects of light pollution. *Environmental Health Perspectives* 117(1): A20–A27 (January 2009). Quoted and cited from extensive background interview.

Claudio, L. Switch on the night. *Environmental Health Perspectives* 117(1): A29–A31 (January 2009).

Quoted and cited from extensive background interview.

United Press International. Light pollution can measure reef health (November 25, 2008).

Milliken, M. California bent on rebuilding despite wildfire risk. Reuters (November 19, 2008). Quoted on policy regarding fire risk and development. Reprinted widely, including *New York Times*.

Klinkenborg, V. (text) and Richards, J. (photos). Our vanishing night. *National Geographic* (November 2008). Acknowledged as leading researcher in article on light pollution. Worked with photographer to identify appropriate opportunities to photograph impacts of light pollution on wildlife.

BBC Radio Five Live. Hour debate and call-in on whether domestic cats should be kept indoors (August 4, 2008).

Scott, A. Downtown's water world. *Los Angeles Downtown News* (August 11, 2008). Quoted in article on limits to water supply in Los Angeles.

Hotz, R. L. It's all about the lighting: city lights are obscuring our starry nights. *Wall Street Journal*, p. A10 (July 25, 2008). Provided background information and mentioned in story.

Interviewed by Swedish Public Radio program Vetandets Värld for a 20-minute feature story on effects of noise and lights on wildlife (July 9, 2008).

Lasar, M. FCC ponders solution to bird-slaying communications towers. *Ars Technica* (July 6, 2008). Research is cited and linked.

Harder, B. Forces of darkness make pitch to Congress to fight light Pollution. U.S. News and World Report; Thinking Harder (June 20, 2008). Coverage of testimony at congressional briefing.

Richardson, D. Doctor speaks out on artificial light. *The Daily Star* (June 12, 2008). Coverage of testimony at congressional briefing.

Soplop, J. Stars in the night sky. *Chapel Hill News* (May 13, 2008). Background and quote on effects of artificial lighting on wildlife.

KNX 1070 News Radio. Interview for story on Earth Hour and effects of lights on human health and ecosystems (March 25, 2008).

Architect Magazine. Interview about lighting and architecture (March 21, 2008).

KCAL News. Interview for TV news story about captive breeding of Palos Verdes blue butterfly (March 20, 2008).

Schoch, D. Bevy of blues emerges in a breeding frenzy. *Los Angeles Times* (March 18, 2008). Provided extensive background.

Harder, B. Turning out the lights: the dangers of a bright night are becoming more apparent. *U.S. News and World Report* (March 17, 2008). Provided extensive background and quoted.

Folk, S. Homer Glen sees the light. *Chicago Wilderness* (Spring 2008). Interview and quotes for article on ecological effects of night lighting.

Bowles, J. Small-scale efforts can make inland cities greener, group says. *The Press-Enterprise* (Riverside, California; January 24, 2008). Conference presentation featured in news account.

- Emerald City Blog, *Los Angeles Times*. GreenXchange conference: more than just business (December 12, 2007). Presentation quoted and highlighted in report from conference.
- Asahi TV. Interview on relationship between climate change and wildfires for prime time Japanese television newsmagazine (October 31, 2007).
- KTLA Prime News. Television interview about development practices leading to homes in wildfire zones for 10 pm newscast (October 26, 2007).
- Ortega, J. Los aliados del desastre. *La Opinion* (October 24, 2007). Quoted on causes of California wildfires.
- Garrahan, M. Californians return to assess fire damage. *Financial Times* (October 26, 2007). Quoted on housing development in fire-prone zones.
- Agency France-Press. California: a victim of climate and its own success. (October 24, 2007). Quoted on causes and context for California fires. Article reprinted globally in many languages.
- Biggerstaff, J. Park leader urges night-sky protection. *Hi-Desert Star* (October 5, 2007). Report on presentation at Morongo Basin Lighting Conference.
- Powers, A. Dispute over Bolsa Chica wetlands is a lasting affair. *Los Angeles Times*, B3 (July 15, 2007). Quoted for context on land use battles in California.
- Schoch, D. Rare butterfly is winging back. *Los Angeles Times*, B1 (July 9, 2007). Quoted on expansion of El Segundo blue butterfly to restoration project I designed.
- Agostoni, K. Rare butterfly makes a royal South Bay comeback. *Daily Breeze* (July 9, 2007). Quoted on expansion of El Segundo blue butterfly.
- LoManaco, C. Dazzling border lights worrying astronomers. *Tucson Citizen* (July 2, 2007). Quoted on effects of border lights on wildlife.
- Rogers, K. Surviving on a wing and a prayer. *Las Vegas Review-Journal* (June 18, 2007). Quoted in response to Fish and Wildlife Service decision on The Urban Wildlands Group petition to list Mount Charleston blue butterfly as endangered.
- Dale, D. Eliminating ice plant. *Turf Magazine* (April 2007). Quoted and photographs used in article documenting ice plant removal by restoration project I designed.
- Schoch, D. Rosier future for rare butterfly. *Los Angeles Times*, B1 (March 26, 2007). Quoted on the captive rearing project for Palos Verdes blue butterfly.
- Ricci, J. Park to open a panoramic window on L.A. *Los Angeles Times*, B2 (January 23, 2007). Quoted on physical and social geographic context of new park.
- Roberson, M.-R. Night, interrupted. *Zoogoer*, pp. 14–21 (January 2007). Quoted in overview article on ecological light pollution.
- Pre-2007: Associated Press, *Boston Globe*, *The Californian* (Salinas, California), *Christian Science Monitor*, *Daily Breeze* (Torrance, California), *Daily Bruin* (Westwood, California), *Financial Times*, *The Globe and Mail* (Toronto), *Las Vegas Sun*, *Los Angeles Daily News*, *Los Angeles Times*, *Metro Santa Cruz*, *Milwaukee Journal Sentinel*, *National Geographic Today* (online), *The Press-Enterprise* (Riverside, California), *Sacramento News and Review*, *San Jose Mercury News*, Scripps Howard News Service (Washington, DC), *USA Today*, *Ventura County Reporter*, *The Westsider* (Los Angeles), *California Wild*, *Conservation In Practice*, *Discover*, *Life*, *People*, *Reader's Digest* (Canada), *Science*, *Science News*, BBC World Service, CNN

Radio Español, KPCC (“Talk of the City”), National Public Radio (“Talk of the Nation”), ABC News, KNBC TV (“Today in LA”), KCAL News, KCBS News, National Geographic Television (“America’s Endangered Species: Don’t Say Goodbye”), NBC Nightly News

## **G. INVITED LECTURES**

### **International**

University of Stockholm, Department of Zoology, Stockholm, Sweden, September 2000

University of Göteborg, Department of Applied Environmental Science, Göteborg, Sweden, September 2000

### **National**

California State Polytechnic University, Pomona, College of Environmental Design, May 31, 2016

Occidental College, “Spatial Insights for Applied Ecology: Found Data, Large-Scale Synthesis, and Mapping,” Department of Biology, October 6, 2015

Invited Participant, Greater Los Angeles Biodiversity Workshop Series (1. Enhancing Our Knowledge), The Nature Conservancy, January 24, 2015

Guest Speaker, “Designing for nature in the city,” Mountains Recreation and Conservation Authority/Santa Monica Mountains Conservancy, September 26, 2014

Invited Participant, “Anthropogenic sensory stimuli as drivers of evolution: a conceptual synthesis and roadmap for an integrated citizen-science research network,” Catalysis Meeting at National Evolutionary Synthesis Center (PIs: C. Cooper, C. Francis, and J. Barber), Duke University, Durham, North Carolina, April 24–28, 2014

Department of Biological Sciences, Pomona College, February 13, 2014

Urban Ecology undergraduate course, Pomona College, February 13, 2014

Urban Design Research Seminar, College of the Built Environment, University of Washington, October 22, 2013

Wildlife Seminar, School of Environmental and Forest Sciences, University of Washington, October 21, 2013

Invited Briefing, “Beyond the headlines: species-specific estimates of avian mortality from anthropogenic sources,” Birds/Building/Glass/Lighting Information Meeting, U.S. Fish and Wildlife Service, Arlington, Virginia, April 18, 2013

Guest Lecture, M.Arch. Studio (Boberska), Woodbury University, January 16, 2013

Discussant, Urban Growth Seminar Series, USC Sol Price School of Public Policy, November 27, 2012

AIA-Los Angeles, Committee on the Environment, “Airborne Los Angeles,” November 17, 2012

Keynote Presentation, “Models, Mortality, and Policy: Approaches to Urban Bird Conservation,” Smithsonian Conservation Biology Institute Spring 2012 Science Convivium, Front Royal, Virginia, March 19, 2012

AltBuild Symposium, “Urban Greening and Community Restoration,” City of Santa Monica, May 8, 2011

“Dune Restoration with Native Plants,” Beach Ecology Coalition, Los Angeles, April 21, 2011

“Sustainable Skies,” National Park Service Science Festival, Paramount Ranch, April 15, 2011

LA Bioneers, “Living Ecologically: Why Seeing Green in the Day and Black at Night is Better for You and the Planet,” September 23, 2009.

Emerging Green Builders, Los Angeles, “Birds and Buildings,” University of Southern California, February 25, 2009

Sustainable Skies: Light Pollution, Its Causes, Consequences, and Prevention, Missouri State University Public Affairs Convocation Series, February 9, 2009

Briefing for staff on light pollution, U.S. House of Representatives, Washington, D.C., June 20, 2008

Mountains Recreation Conservation Authority, Los Angeles, California, March 23, 2008

EDAW, Ecology and Design Group, Irvine, California, February 25, 2008

The Inland Empire: Toward a More Humane Metropolis, Riverside, California, January 24, 2008

City of Los Angeles Taskforce on Los Angeles River Revitalization Plan, January 2008

American Society of Landscape Architects, UCLA Student Chapter, “Urban Wildlands Designs: Integrating Ecology and Landscape Architecture,” November 2007

Los Angeles River Master Plan Advisory Committee, “Green Visions Plan for 21<sup>st</sup> Century Southern California,” October 2007

Morongo Basin Lighting Conference, “Lights Out! For Nature (and People),” October 2007

Los Angeles and San Gabriel Rivers Watershed Council, October 2006

Communication Tower Working Group, Research Subcommittee, April 2005

University of California, Los Angeles, Department of Urban Planning and Institute of the Environment, “Sustainable Development for the 21st Century” Seminar Series, April 2005

California Studies Association Sixteenth Annual Conference, “Sheltering Biodiversity: Living With Other Species In and Around Los Angeles,” April 2004

University of California, Los Angeles, Department of Geography, February 2004

Sustainability Training, City of Los Angeles Department of Parks and Recreation, May 2003

Sustainability Training, City of Los Angeles Department of Public Works, September 2002

South Coast Wildlands Project Missing Linkages Workshop, August 2002

University of Southern California, Department of Geography, February 2002

Santa Monica Mountains Conservancy, September 2001

California Native Plant Society, South Coast Chapter, August 2001

CLE International Endangered Species Act and Habitat Conservation Planning Conference, “The Integration of Science and Law in Habitat Conservation Planning,” June 2001

California State University, Northridge, Olivatt Library, April 2001

University of California Natural Resources Continuing Conference, Wrigley Institute for Environmental Studies, April 2001

Society for Ecological Restoration, California Chapter Annual Conference, October 2000

Lorquin Entomological Society, Los Angeles, California, June 2000

University of California, Los Angeles, Department of Geography, May 2000

Southern California Institute of Architecture, guest lecture for Mike Davis, June 1998

Los Angeles Unified School District Target Science, "Butterflies in the City" Workshop Series, South Central Los Angeles Leadership Team, October 1998

### **University**

Mid-term Review, Architecture 402, February 16, 2017

Guest Lecture on GIS, Architecture 544 (Urban Landscape: Process and Place), October 26, 2016

Guest Lecture on urban conservation, Spatial Sciences 165 (Sustainability Science and the City), October 7, 2015

Guest Lecture on historical ecology of the Baldwin Hills and Ballona Creek, Architecture 705 Studio (Uncovering Ecologies), September 16, 2015

Learning in the City, Part II: Community Collaborations, Center for Excellence in Teaching, University of Southern California, March 6, 2015

"Interstitial greening for a drought-resilient city," USC Center for Sustainable Cities Spring Forum: Envisioning Drought Resilient Cities, May 6, 2014

USC Watershed Forum, "Water and Land: Shaping the Future of the Los Angeles River Watershed," September 2007

"Meeting the Sustainability Challenge," Executive Education, University of Southern California, Center for Sustainable Cities, November 2005

## **H. TEACHING**

### **Courses Taught**

#### *University of Southern California*

SSCI 135 Maps in the Digital World (renamed from Numbers and Maps) (General Education; new course)

ARCH 361 Ecological Factors in Design (complete course revision)

ARCH 531 The Natural Landscape (complete course revision)

ARCH 541 New Media and Landscape Architecture (1/3 of course, GIS introduction)

ARCH 547 Urban Nature (new course)

GEOG 601 Sustainable Cities (co-taught)

MLS 516 Urban Conservation Biology (new course)

MLS 570 Ecology of Night (new course)

#### *UCLA*

GEOG 2 Biodiversity in a Changing World

GEOG 5 People and the Earth's Ecosystems (General Education course)

GEOG 108 World Vegetation  
GEOG 111 Forest Ecosystems  
GEOG 123 Bioresource Management (complete revision)  
GEOG 124 Environmental Impact Analysis (complete revision)  
EEB 100 Introduction to Ecology and Behavior (co-taught)  
EEB 122 Ecology  
EEB 124 Field Ecology  
ENV M1C Ecology and Conservation of California Oaks (new course; freshman seminar)  
ENV M1C Nature After Dark (new course; freshman seminar)  
ENV 180A/B/C Practicum in Environmental Science (developed three-course sequence)

### Student Research Supervised

#### *Undergraduate Research*

- Banet, Ben and Yu Chuan Shan (independent research) 2015–2017  
“ParkLight: A Framework to Monitor Nighttime Upward Radiance In and Around National Parks”  
Poster received 3<sup>rd</sup> place in Physical Sciences and 2<sup>nd</sup> place in Schwarzenegger Prize for Research at USC Undergraduate Research Symposium, 2016  
Banet awarded Sumer Undergraduate Research funding, 2016  
Banet awarded summer travel support from Wrigley Institute for Environmental Studies, 2016  
Shan awarded John O. Behrens ILI Memorial Scholarship from ASPRS Imaging and Geospatial Society, Spring 2017  
Banet awarded USC Student Opportunities for Undergraduate Research funding, Spring 2017
- Aldern, Hannah, John Eggers, Steve Flores, Lesly Franco, Eric Hirshfield-Yamanishi, Laina Petrinec, and Wilson Yan (B.S. practicum project for Philips Lighting) 2014  
“Tuning the white light spectrum of residential lamps for reducing nocturnal insect attraction”
- Chan, Jennifer M., Terry H. Chen, Yuxin Jin, Nicole M. Tachiki, Sara L. Vetter, Megan L. Vyeniolo, Gina Y. Zheng (B.S. practicum project for National Wildlife Federation) 2014  
“Evaluating Certified Wildlife Habitats and the minds behind them”
- Almaleh, Lindsay, Brittany Chetty, Kathryn Francis, Ching-Sheng Huang, Brooke Pickett, and Mike Wright (B.S. practicum project for U.S. Geological Survey) 2013  
“Performance of a freeway underpass as a regional wildland linkage for mammals”
- Briones, Tatiana, Wendy Chao, Joshua Cox, Thomas Lau, Alizah Mooman, Amy Send, and Isabel Sepkowitz (B.S. practicum project for Cornell Lab of Ornithology) 2013  
“Development of citizen science protocols to measure sound and light levels for bird ecology”
- Gabriel Albano, Tanya Bitcon, Maanya Condamoor, Sirena Lao, Greg Lopez, Ryan Sokolovsky, and Allen Vicencio (B.S. practicum project for Mountains Recreation Conservation Authority) 2012  
“Large mammal movement in the eastern Santa Monica Mountains”
- Brett Bova, Misa Downey, Natalie Marte, Justin Penn, Kirstie Ruppert, Karen Vu, and Shotaro Yamada (B.S. practicum project for National Park Service) 2012  
“Climate change vulnerability assessments for terrestrial and freshwater vertebrates in the Mediterranean Coast Network of National Parks”
- Robert Freidin, Diane Schreck, Brooke Scruggs, Elise Shulman, Alissa Swauger, and Allison Tashnek (B.S. practicum project for Mountains Recreation Conservation Authority) 2011  
“Wildlife use of the Los Piñetos underpass, Santa Clarita, California”



- Margarita Armendariz, Allison Davison, Alessandro Maganuco, and Aaron Whitby (B.S. practicum project for Los Angeles Audubon) 2011  
“Crow density and anthropogenic subsidies near the Venice, California Least Tern colony”
- Monica Bartos, Stephanie Falzone, Kaitlin Kelly-Reif, Cassandra Vasquez, and Jennifer Ward (B.S. practicum project for National Park Service) 2010  
“Residential use of chemical rodent control from Bel-Air to the Hollywood Hills”
- Sylvie Dao, Dale Douk, Eric Gumerlock, Stephanie Hoekstra, David Mori, Chay Tang, and Sarah Young (B.S. practicum project for National Park Service) 2010  
“Rodent control methods and their implications for urban carnivores in the San Fernando Valley, Los Angeles County, California, USA”
- Anna Bugayong, Joshua Lazarus, Shahir Masri, Christine Nguyen, Lucas Salazar, and Adam Taheri (B.S. practicum project for Baldwin Hills Conservancy) 2009  
“Habitat edges in the Baldwin Hills: effects on bird distribution and California coastal sage scrub”

*Graduate Committees Chaired*

- Mercy Kariuki-McGee, Geographic Information Science and Technology, M.S. ~2017
- Ricardo Montijo, Geographic Information Science and Technology, M.S. 2017  
“Predicting electrocution risk from overhead powerlines for three California bird species: Golden Eagle, Common Raven, and Turkey Vulture”
- William Winters, Geographic Information Science and Technology, M.S. 2015  
“Identifying areas of high risk for avian mortality by performing a least accumulative cost analysis”
- Giles Kingsley, Geographic Information Science and Technology, M.S. 2015  
“Distribution and correlates of feral cat trapping permits in Los Angeles, California”
- Caitlan Dowling, Geographic Information Science and Technology, M.S. 2015  
“Using Maxent modeling to predict habitat of Mountain Pine Beetle in response to climate change”
- James Pollock, Geographic Information Science and Technology, M.S. 2015  
“A Maxent-based model for identifying local-scale tree species richness patch boundaries in the Lake Tahoe Basin of California and Nevada”
- Samuel Price, Geographic Information Science and Technology, M.S. 2015  
“Distribution of Sonoran Pronghorn (*Antilocapra americana sonoriensis*) on an active Air Force tactical range”
- Oghenemine Metitiri, Geographic Information Science and Technology, M.S. 2014  
“Use of GIS for analysis of community health worker patient registries from Chongwe District, a rural, low-resource setting, in Lusaka Province, Zambia”
- Christopher Beattie, Geographic Information Science and Technology, M.S. 2014  
“3D visualization models as a tool for reconstructing the historical landscape of the Ballona Watershed”
- David Mullis, Geographic Information Science and Technology, M.S. 2014  
“Using Landsat and a Bayesian hard classifier to study forest change in the Salmon Creek Watershed area from 1972–2013”

- Benito Lo, Geographic Information Science and Technology, M.S. 2014  
“Development of a vegetation map accuracy assessment simulation on ArcGIS”
- Bowen Qi, Landscape Architecture, M.L.Arch. 2014  
“Regeneration of Los Angeles harbor: new access to the waterfront”
- Gongzou Zhao, Landscape Architecture, M.L.Arch. 2014  
“Ecological landscape design in the process of Chinese urban development”
- Rachel Klein, Landscape Architecture, M.L.Arch. 2014  
“The San Pedro Wild”
- Davis, Austin V., Geographic Information Science and Technology, M.S. 2013  
“Testing LANDIS-II to stochastically model spatially abstract vegetation trends in the contiguous United States”
- Bissell, Matthew, Geographic Information Science and Technology, M.S. 2013  
“Using volunteered geographic information to model blue whale foraging habitat, southern California Bight”
- Joshua Benton, Geographic Information Science and Technology, M.S. 2013  
“An analysis of the North Rainier Elk Herd Area, Washington: change detection and habitat modeling with remote sensing and GIS”
- Caroline Jablonicky, Geographic Information Science and Technology, M.S. 2013  
“Spatial distribution of the Nile crocodile (*Crocodylus niloticus*) in the Mariarano River system, Northwestern Madagascar”
- Cate Rilla, Landscape Architecture, M.L.Arch. 2013  
“School garden design as catalyst for environmental education and community engagement: Los Angeles Unified School District case studies”
- James Lively, Landscape Architecture, M.L.Arch. 2012  
“Valuable places of wildness in Los Angeles: the Crown Coach brownfield”
- Russell Abbott, Geographic Information Science and Technology, M.S. 2012  
“Investigation and analysis of land use/tree cover in Riverside, California”
- Su Jin Lee, Geography, Ph.D. (co-chair) 2012  
“Effects of municipal policies and home modifications on green cover in Los Angeles County”
- Christopher Arntz, Landscape Architecture, M.L.Arch. 2012  
“Eco-feedback: addressing Santa Monica’s coastal water quality through hybrid design interventions”
- Brian Kearns, Geographic Information Science and Technology, M.S. 2012  
“Is the likelihood of waterfowl presence greater on conserved lands?”

***Graduate Committees Served***

- Carrie Stevens, Geographic Information Science and Technology, M.S. (thesis committee) ~2017
- Steven J. Warner, Geographic Information Science and Technology, M.S. (thesis committee) ~2017
- Dennis Chow, Building Science, M.B.S. (thesis committee) 2016
- Edna Catumbela, Building Science, M.B.S. (thesis committee) 2016
- Hildemar Cruz, Geographic Information Science and Technology, M.S. (thesis committee) 2016
- Brittany Moffett, Building Science, M.B.S. (thesis committee) 2015

Valerie Anderson, Geographic Information Science and Technology, M.S. (thesis committee)	2015
Susan Valot, M.A., Specialized Journalism (thesis committee)	2015
Mark Dustin, Geographic Information Science and Technology, M.S. (thesis committee)	2015
Zhaoheng Cheng, Landscape Architecture, M.L.Arch. (DDR committee)	2015
Andrew Thomason, Geographic Information Science and Technology, M.S. (thesis committee)	2015
Charles Hanley, Geographic Information Science and Technology, M.S. (thesis committee)	2015
Ryan Reeves, Geographic Information Science and Technology, M.S. (thesis committee)	2015
Jonathan Froines, Landscape Architecture, M.L.Arch. (DDR committee)	2014
Andrew Isner, Geographic Information Science and Technology, M.S. (thesis committee)	2014
Kathryn Metivier, Geographic Information Science and Technology, M.S. (thesis committee)	2014
Kristen Franz, Landscape Architecture, M.L.Arch. (DDR committee)	2014
Zhuohan Yu, Landscape Architecture, M.L.Arch. (DDR committee)	2014
Leigha DelBusso, Landscape Architecture, M.L.Arch. (DDR committee)	2014
Prell, Adam T., Geographic Information Science and Technology, M.S. (thesis committee)	2013
Lily Kerrigan, Landscape Architecture, M.L.Arch. (DDR committee)	2013
Janet Kiyoi, Landscape Architecture, M.L.Arch. (DDR committee)	2013
Justin Eddings, Geographic Information Science and Technology, M.S. (thesis committee)	2012
Rachel Miller, Geographic Information Science and Technology, M.S. (thesis committee)	2012
Jingni Zhang, Landscape Architecture, M.L.Arch. (DDR committee)	2012
Ross Woodley, Landscape Architecture, M.L.Arch. (DDR committee)	2012
Brice Cameron Burkett, Geographic Information Science and Technology, M.S. (thesis committee)	2011
Jingbo Yang, Landscape Architecture, M.L.Arch., (DDR committee)	2011
Bohua Xu, Landscape Architecture, M.L.Arch., (DDR committee)	2011
Xiaolu Tang, Landscape Architecture, M.L.Arch., (DDR committee)	2011
Thao Thi Minh Nguyen, Geography, Ph.D. (dissertation committee)	2011
Teri Mooney, Geographic Information Science and Technology, M.S. (thesis committee)	2010
Lauren M. Whaley, Specialized Journalism (science emphasis), M.A. (thesis committee)	2010
Xinyi Liao, Landscape Architecture, M.L.Arch. (thesis committee)	2010
Ting Wang, Landscape Architecture, M.L.Arch. (thesis committee)	2010
Mona Seymour, Geography, Ph.D. (dissertation committee)	2010
Iris Tsai, Landscape Architecture, M.L.Arch. (DDR committee)	2010

## I. SERVICE

### Professional

Outdoor Environmental Lighting Committee, Illuminating Engineering Society, 2015–present

Member, Dark Skies Advisory Group, Cities and Protected Areas Specialist Group, World Commission on Protected Areas, International Union for Conservation of Nature (IUCN), 2008–present

Cooper Ornithological Society, Conservation Resolutions Committee, 2012–2015

Member, Coalition for High Performance Schools, National Technical Committee, Site and Water Subcommittee, 2012–2013 (wrote performance criteria for light pollution and native planting)

Judge, Ph.D. Student Paper Competition, Biogeography Specialty Group, Association of American Geographers Annual Meeting, March 26, 2009

## University

- Human Resources Committee, School of Architecture, 2015–2017 (Secretary, 2016–2017)
- Sustainability Steering Committee (campuswide), University of Southern California, 2009–2017
- USC Trustee Scholarship Explore Dinner, February 2016
- Water Conservation Task Force (campuswide), University of Southern California, 2014–2015
- Spatial Sciences Institute Post-doctoral Scholar Selection Committee, 2015
- USC Esri Development Center Student of the Year Selection Committee, 2015
- Non-Tenure Track Faculty Promotion Committee (Natural Sciences), University of Southern California, 2014
- Environmental Science B.S. Advisory Committee, UCLA Institute of the Environment and Sustainability, 2011–2014
- Faculty Evaluation Committee, USC Spatial Sciences Institute, Fall 2011
- Faculty Hiring Committee, USC Department of Geography/GIS Research Laboratory, 2010
- Academic Senate Committee on Non-Tenure Track Faculty Affairs, University of Southern California, 2009–2010
- Non-Tenure Track Merit Review Committee, Department of Geography, University of Southern California, 2008–2009
- Graduate Student Association Representative, UCLA Academic Senate Council on Planning and Budget, 1996–1999
- Member, Graduate Affairs Committee, UCLA Department of Geography, 1995–1997
- Member, Instructional Technology Committee, UCLA Department of Geography, 1993–1995

## Government

- Open Space Representative, Bel Air-Beverly Crest Neighborhood Council, City of Los Angeles, 2016–present
- Environmental Review Board Member, County of Los Angeles (appointed by Los Angeles County Board of Supervisors), 1997–present
- President, Bel Air-Beverly Crest Neighborhood Council, City of Los Angeles, 2015–2016
- Santa Monica Mountains Conservancy Representative, Bel Air-Beverly Crest Neighborhood Council, City of Los Angeles, 2013–2016
- Member, Science Review Team, Carrizo Plain National Monument, 2007
- Member, Scientific Review and Advisory Panel, Puente Hills Landfill Native Habitat Preservation Authority Resource Management Plan, 2005
- Independent Scientific Advisor (Quino Checkerspot Butterfly), County of San Diego, 2002–2004
- Baldwin Hills State Park Citizens Advisory Committee, California State Parks, 2002
- Member, Recovery Team (Technical Subteam), Quino Checkerspot Butterfly, U.S. Fish and Wildlife Service, 1999–2001

Member, Recovery Team, El Segundo Blue Butterfly, U.S. Fish and Wildlife Service, 1997–1998

### Editorships

Guest Editor, *Avian Conservation and Ecology*, Special Issue: Quantifying Incidental Take of Birds in Canada, 2012–2013

*ad hoc* Subject Matter Editor, *Ecosphere*, 2010

Managing Editor, *Journal of Research on the Lepidoptera*, 1997–1999

### Editorial Boards

Academic Editor, *PLoS ONE*, 2014–present

Editorial Board, *Avian Conservation and Ecology*, 2012–present

### Journal Reviews

2017: *Landscape and Urban Planning*

2016: *Science, Biological Conservation, Journal of Applied Ecology, Animal Behaviour*

2015: *Animal Behaviour, Urban Forestry and Urban Greening, Animal Conservation (2), Biological Conservation*

2014: *Journal of Insect Conservation, Environmental Conservation, PLoS ONE, Behavioral Ecology, Ecological Entomology, Landscape Ecology, Mammalian Biology, Philosophical Transactions of the Royal Society B, Science of the Total Environment*

2013: *Proceedings of the Royal Society B (2), Biology Letters, Conservation Biology, PLoS ONE (3), Endangered Species Research, Fundamental and Applied Limnology, Wilson Journal of Ornithology*

2012: *Ecology Letters, Conservation Letters, Leukos, Biological Conservation (2), International Journal of Environmental Science, Ornis Norvegica, Environmental Management, Ecosystem Services, Wilson Journal of Ornithology, Ecological Applications, Journal of Insect Conservation, Nature Communications, Journal of Plankton Research*

2011: *Society & Natural Resources, Biological Conservation (3), Restoration Ecology, Land Use Policy, Urban Ecology, Journal of Applied Geography, Environmental Management, Wilson Journal of Ornithology, Ecology Letters, Wildlife Society Bulletin*

2010: *Conservation Biology, Ecology and Society, Auk, Wildlife Research, Environmental Health Perspectives, Animal Conservation, Journal of Zoology, Journal of Insect Conservation, Insect Conservation and Diversity, Landscape and Urban Planning, Current Biology*

2009: *Gene, Environmental Entomology, Environmental Engineering (CRC Press), Waterbirds, Marine Ecology Progress Series, Conservation Biology*

2008: *Frontiers in Ecology and the Environment, Environmental Health Perspectives (2), Restoration Ecology, Biological Conservation, Transactions in GIS*

Pre-2008: *Environmental Management, Journal of Research on the Lepidoptera, Journal of Tropical Forest Science, Land Degradation and Development, Landscape and Urban Planning, Landscape Research, Restoration Ecology, Transactions in GIS, Biological Conservation, Journal of Insect Science, American Midland Naturalist, Herpetological Conservation*

### Grant Reviews

- 2016: Polish National Science Agency
- 2015: USC Sea Grant
- 2014: National Science Foundation, Division of Integrative Organismal Systems
- 2013: German Research Foundation
- 2012: European Cooperation in Science and Technology (Earth System Science and Environmental Management); National Geographic Society Committee for Research and Exploration; Netherlands Organization for Scientific Research
- 2010: Technology Foundation STW (Netherlands), National Institute for Public Health and the Environment (Netherlands)
- 2009: Vienna Science Fund
- 2005: National Science Foundation, Ecological Biology Cluster; National Fish and Wildlife Foundation
- 2004: National Science Foundation, Ecology Program; National Fish and Wildlife Foundation

### Symposia

- Co-organizer, *Historical Ecology 1–2*, Annual Meeting of the Association of American Geographers, Boston, California, April 5, 2017
- Co-organizer, *Historical Ecology 1–4*, Annual Meeting of the Association of American Geographers, San Francisco, California, April 2, 2016
- Organizer, *Artificial Lights and Nature: Challenges for Dusk-to-dawn Conservation Management*, International Congress for Conservation Biology, Edmonton, Alberta, July 3–7, 2010
- Co-Chair, *Ecological Consequences of Artificial Night Lighting*, The Urban Wildlands Group and UCLA Institute of the Environment, 2001–2002
- Member, Conference Steering Committee, UCLA Institute of the Environment, *California's Biodiversity Crisis: The Loss of Nature in an Urbanizing World*, 1998

### Sessions Chaired

- Historical Ecology 2*, Annual Meeting of the Association of American Geographers, Boston, California, April 5, 2017
- Historical Ecology 4 – Wildlife, Census, Discussion*, Annual Meeting of the Association of American Geographers, San Francisco, California, April 2, 2016
- Artificial Lights and Nature: Challenges for Dusk-to-dawn Conservation Management*, International Congress for Conservation Biology, Edmonton, Alberta, July 3–7, 2010
- Effects of Wind Farms and Energy Development*, Ornithological Society/American Ornithologists' Union/Society of Canadian Ornithologists 2010 Joint Meeting, San Diego, California, January 2010

### Community Service

- Past President, Board of Directors, Los Angeles Audubon Society, 2015–present
- Advisory Board, Smart Outdoor Lighting Alliance, 2015–present

Westwood Neighborhood Greenway Steering Committee, 2013–present  
Advisory Board, Zoological Lighting Institute, 2011–present  
President, Board of Directors, Los Angeles Audubon Society, 2010–2015  
Local Technical Advisory Committee, Ecosystem Values of Watersheds in Southern California, 2008  
Co-Chair, Beach Bluffs Restoration Project Steering Committee, 2003–2006  
Member, Advisory Council, Yosemite Restoration Trust, 1999–2002  
Newsletter Layout, Endangered Habitats League, 1998–2002  
Editor, *Western Tanager*, newsletter of the Los Angeles Audubon Society, 1997  
Vice President, Board of Directors, Los Angeles Audubon Society, 1995–1997  
Coordinator, Los Angeles Audubon Society Birdathon, 1996 (recognized by National Audubon Society, “Most Money Raised by a Rookie,” September–October issue of *Audubon* magazine)

#### Consultantships

*In the Matter of the Application of San Diego Gas & Electric Company (U 902-E) for a Certificate of Public Convenience and Necessity for the Sunrise Powerlink Transmission Project Application 06-08-010 (Filed August 4, 2006).* Prepared direct and rebuttal testimony on project’s biological impacts on behalf of the Center for Biological Diversity and the Sierra Club (March 12, 2008). Cross-examined by San Diego Gas & Electric (April 9, 2008).

#### J. SOCIETY MEMBERSHIPS

Association of American Geographers, 1996–present  
Ecological Society of America, 2001–present  
Society for Conservation Biology, 2009–present  
The Wildlife Society, 2010–present  
Cooper Ornithological Society, 2010–present

#### K. PHOTOGRAPHY

Photographs published by *Los Angeles Daily News*, *Turf Magazine*, *Wildflower Magazine*, Associated Press, Ecological Society of America website (rotating homepage banner photo), LA Observed, Isla Earth Radio website, *Weekly Reader*, *Endangered Species Update*, *Seasons of Flight* (cover photo for a novel by Manjushree Thapa, Penguin India), *Endangered Earth* (Center for Biological Diversity), Evan-Moor Publishing