

CHRISTOPHER M. PAPOUCHIS

Department of Environmental Studies
California State University, Sacramento
6001 J Street Sacramento, CA 95819
916.730-3129, chris.papouchis@csus.edu

EDUCATION

M.S. Environmental Studies, concentration in Environmental Biology
Antioch University New England, Keene, NH 1997
Master's Project: *Effects of human recreation on desert bighorn sheep in Canyonlands National Park*
Advisor: Tom Wessels

A.B. Government
Cornell University, Ithaca, NY 1991

ACADEMIC EXPERIENCE

California State University, Sacramento, Department of Environmental Studies
Lecturer 2011–present

Environmental Ethics (24 sections taught)
International Environmental Problems (5)
Environmental Issues and Critical Thinking (1)
Environmental Science (1)

American River College, Department of Natural Resources, Sacramento, CA
Adjunct Professor 2008–present

Introduction to Natural Resource Conservation and Policy (29 sections taught)
Principles of Sustainability (9)
Introduction to Wildlife Biology (2)
Principles of Ecology (1)
Introduction to Natural Resource Management (3)
Work Experience in Natural Resources (1)

Academic Training

Problem Based Learning: Student Groups and Critical Thinking – Faculty Learning Community / CSU
Sacramento Center for Teaching and Learning 2012-2013

Critical Thinking and Student Discussions: Facilitating Effective Face-to-Face and Online Discussions –
Faculty Learning Community / CSU Sacramento Center for Teaching and Learning 2013-2014

Interest Based Approach Training (3-day) – Los Rios Community College District 2014

Interest Based Approach Facilitator Training (2-day) – Los Rios Community College District 2015

Online Teaching Institute – American River College 2020

ACUE Microcredential in Promoting Active Learning – Assoc. of College and University Educators 2021

ACUE Microcredential in Creating an Inclusive and Supportive Learning Environment – Association of
College and University Educators 2022

PROFESSIONAL EXPERIENCE

Independent, Sacramento, CA

Conservation Scientist

2007–present

- Serve on USFWS Implementation Science Team for the recovery of Sierra Nevada bighorn sheep.
- Investigated the effectiveness of sport hunting as a technique for mitigating real and perceived conflicts between mountain lions and human interests (with John Laundré).
- Co-organized the creation of the California Mountain Lion Science Working Group, a collaboration of mountain lion researchers and conservationists (with California Dept of Fish and Wildlife).
- Provided biological analysis and consultation for litigation challenging the USFWS's delisting of gray wolves in the western Great Lakes region (for Humane Society of the United States).
- Served on the risk assessment sub-team of the Sierra Nevada bighorn sheep Recovery Team tasked with developing an approach to assess and mitigate the risk of contact between bighorn and domestic sheep (representing Natural Resources Defense Council, Wilderness Society, Mountain Lion Foundation, Center for Biodiversity, and the Foundation for Sierra Nevada Bighorn Sheep). Sub-team included domestic sheep ranchers and federal and state agency personnel.
- Organized and moderated roundtable discussion of state wildlife managers, researchers, and conservationists on *Mountain lions, people and policy: Improving our prospects for effective conservation of a keystone predator* at the Defenders of Wildlife Carnivores 2009 conference.
- Co-coordinated a 2-day workshop of environmental and animal protection groups entitled, *Improving our prospects for conserving cougars: Clarifying goals, identifying problems and seeking solutions* (with WildFutures).
- Developed educational material on large carnivore ecology, management and conservation (for Panthera, the Cougar Fund, the Grizzly Bear Outreach Project, and WildFutures).
- Drafted comments on the U.S. Fish and Wildlife's proposal to re-designate critical habitat for endangered Peninsular bighorn sheep (for the Center for Biodiversity).
- Drafted comments on the state of *Washington's Draft Supplemental Environmental Impact Statement, 2009 – 2013 Game Management Plan* (for the Cougar Fund).
- Co-founded the Wild Felid Research and Management Association and served on governing council.

Wild Felid Research and Management Association, Montrose, CO

Managing Editor, The Wild Felid Monitor

2007–2013

- Directed and conducted all aspects of the design and editing of the association's biannual publication.

Mountain Lion Foundation, Sacramento, CA

Conservation Biologist

2001–2007

- Developed and implemented collaborative programs to educate and provide technical assistance for rural communities in California experiencing conflicts with mountain lions.
- Reviewed and drafted technical comments on more than 30 federal and state management plans, policies and programs relevant to mountain lion management and conservation.
- Represented organization on the stakeholder group of the USFWS' Sierra Nevada Bighorn Sheep Recovery Team.
- Provided testimony at legal proceedings, wildlife commission meetings and related venues.
- Communicated and collaborated with state and federal agency managers and biologists, researchers and conservation organizations throughout the western U.S.
- Created and presented public lectures, workshops, field seminars and other educational programs on mountain lion ecology, management and conservation.
- Developed and chaired sessions and gave presentations at professional conferences and workshops.

Animal Protection Institute, Sacramento, CA

Wildlife Biologist

1998–2001

- Reviewed and drafted technical comments on federal and state wildlife management policies and plans involving endangered species, carnivores, trapping, and human-wildlife conflicts.
- Developed and presented lectures and programs on wildlife conservation and ecology, and strategies for resolving human-wildlife conflicts at public and professional venues.
- Testified at local, state, and federal regulatory and legislative meetings.
- Interviewed by local and national media.

US Geological Survey - Biological Resources Division, Fort Collins, CO

Biological Science Technician (Wildlife)

1996–1998

- Documented and analyzed responses of desert bighorn sheep to recreational activity in Canyonlands National Park, Utah.
- Evaluated the effectiveness of bighorn sheep translocations across seven western U.S. states.
- Studied the behavior and population dynamics of wild horses on the Pryor Mountain Wild Horse Range, Montana.
- Conducted vegetation sampling for a bison carrying-capacity model in Grand Teton National Park, Wyoming.

Yellowstone Ecosystem Studies, Bozeman, MT

Research intern

Summer 1995

- Co-led multiday research trips in the Greater Yellowstone Ecosystem for adult and college groups and led discussions on research methods, ecology, and natural resource issues.
- Observed and documented interactions between gray wolves and coyotes in Yellowstone National Park, Wyoming.
- Observed and documented grizzly bear behavior and habitat selection in the Madison Mountains, Montana.
- Surveyed three-toed woodpeckers in the Targhee National Forest, Idaho.

U.S.D.A. Forest Service, Mt. Hood National Forest, OR

Biological Science Technician (Wildlife)

Spring - Summer 1994

- Surveyed, captured and banded northern spotted owls.

Enviroscope, Inc, Ann Arbor, MI

Regulatory Analyst

1993–1994

- Researched and interpreted Resource Conservation and Recovery Act regulations under contract for a major automotive manufacturing association.
- Assisted in developing an electronic database on toxic chemical releases reported by major automotive manufactures under the Pollution Prevention Act of 1990.

Howell Nature Center, Howell, MI

Wildlife Rehabilitation Assistant Volunteer

1993–1994

- Assisted in the treatment and rehabilitation of injured birds of prey.

Arizona Game & Fish Department, Phoenix, AZ

Bald Eagle Nestwatcher

Winter - Spring 1993

- Studied a pair of desert bald eagles, documenting behavior, habitat use, interactions with other wildlife, and responses to human activity.
- Educated public-at-large on ecology and conservation status of bald eagles.

Student Conservation Association / U.S. Fish and Wildlife Service, Kenai National Wildlife Refuge, AK
Resource Assistant (Intern) Summer – Fall 1992

- Designed and led environmental education programs, workshops, and interpretive hikes.
- Surveyed bald eagles and assisted in tracking and capturing of Canada lynx.

Keewaydin Environmental Education Center, Salisbury, VT

Instructor Spring 1992

- Taught environmental education programs and led interpretive hikes in natural history and human impacts on natural systems to elementary and middle school groups.

PUBLICATIONS

Articles and Chapters (refereed publications)

- Laundre, J. & C.M. Papouchis. 2020. The Elephant in the room: What can we learn from California regarding the use of sport hunting of pumas (*Puma concolor*) as a management tool? PLOS One. 15(2), e0224638.
- Papouchis, C.M. 2007. Pumas and people. Pages 1150-1153 in M. Bekoff, ed. *Encyclopedia of Human-Animal Relationships: A Global Exploration of Our Connections with Animals*. Greenwood Press. London.
- Papouchis, C.M. 2004. Conserving mountain lions in a changing landscape. Chapter 11 in N. Fascione, A. Delach, and M. Smith, eds. *Predators and People: From Conflict to Conservation*. Island Press.
- Papouchis, C.M., F.J. Singer, and W.S. Sloan. 2001. Responses of desert bighorn sheep to increased human recreation. *Journal of Wildlife Management* 65:573-582.
- Singer, F.J, C.M. Papouchis and K.K. Symonds. 2000. Factors contributing to the success of translocations to restore populations of a severely fragmented species, *Ovis canadensis* (bighorn sheep). *Journal of Restoration Ecology* 8 (4S):12-16.
- Singer, F.J, C.M. Papouchis, and L. Zeigenfus. 2000. Guidelines for the restoration of bighorn sheep into large landscapes: report of recent findings. Pages 229-240 in A.E. Thomas and H.L. Thomas, eds. *Transactions of the 2nd North American Wild Sheep Conference*. April 6-9, Reno, NV. 470 pp.

Technical Reports

- Baumer, A., N. East, J. Echenique, M. Haworth, M. F. Leinassar, C. Papouchis, T. Stephenson, D. Weaver, and G. Wilson. 2009. A process for identifying and managing risk of contact between Sierra Nevada bighorn sheep and domestic sheep. U.S. Fish and Wildlife Service, Reno, Nevada.
- Papouchis, C.M. 2007. Human-caused mortality of mountain lions in the American West. Mountain Lion Foundation, Sacramento, California.
- Papouchis, C.M. 2006. Living with lions: does sport hunting reduce conflicts with humans? Mountain Lion Foundation, Sacramento, California.
- Papouchis, C.M. 2005. Non-lethal approaches for reducing conflicts between mountain lions and people. Mountain Lion Foundation, Sacramento, California.
- Papouchis, C.M., F.J. Singer, and W.S. Sloan. 1998. Effects of increasing recreational activity on desert bighorn sheep in Canyonlands National Park, Utah. In F.J. Singer and M.A. Gudorf, eds. *Restoration of bighorn sheep populations in and near 15 national parks: Conservation of a severely fragmented species*.

U.S. Geological Survey Open File Report 99-102, Midcontinent Ecological Science Center, Fort Collins, CO. 96 pp.

Singer, F.J., C.M. Papouchis, and K.K. Symonds. 1998. Translocation as a tool for restoring populations of bighorn sheep, *Ovis canadensis*. In F.J. Singer and M.A. Gudorf, eds. Restoration of bighorn sheep populations in and near 15 national parks: Conservation of a severely fragmented species. U.S. Geological Survey Open File Report 99-102, Midcontinent Ecological Science Center, Fort Collins, CO. 96 pp.

Singer, F.J., G. Gothran, C.M. Papouchis, L. Coates-Markle and F. Schweiger. 1997. Effective population sizes, population dynamics, and group dynamics of the Pryor Mountain wild horses, 1994-1996. Biological Resources Division of U.S. Geological Survey, Fort Collins, CO. 43 pp.

Papouchis, C.M., M.S. Bank, and J. Beason. 1994. Feeding habits, activity and breeding chronology of Arizona Bald Eagles: Tonto breeding area. 15 pp. In G. Beatty, ed. Arizona Game and Fish Department Bald Eagle Management Report, Phoenix, Arizona.

Books and Monographs

Fox, C.H. and C.M. Papouchis. 2005. Coyotes in Our Midst: Learning to Coexist with an Adaptable and Resilient Carnivore. Animal Protection Institute. Sacramento, California.

Fox, C.H. and C.M. Papouchis. editors. 2005. Cull of the Wild: A Contemporary Analysis of Wildlife Trapping in the United States. Animal Protection Institute. Sacramento, California.

Chapters (non-refereed)

Fox, C.H. and C.M. Papouchis. 2005. Trapping devices, methods and research. Chapter 3a in C.H. Fox and C.M. Papouchis, eds. *Cull of the Wild: A Contemporary Analysis of Wildlife Trapping in the United States*. Animal Protection Institute. Sacramento, California.

Collaran, E., C.M. Papouchis, J.C. Hofve, and C.H. Fox. 2005. The use of injury scales in the assessment of trap related injuries. Chapter 3b in C.H. Fox and C.M. Papouchis, eds. *Cull of the Wild: A Contemporary Analysis of Wildlife Trapping in the United States*. Animal Protection Institute. Sacramento, California.

Papouchis, C.M. 2005. Trapping: a review of the scientific literature. Chapter 3c in C.H. Fox and C.M. Papouchis, eds. *Cull of the Wild: A Contemporary Analysis of Wildlife Trapping in the United States*. Animal Protection Institute. Sacramento, California.

Papouchis, C.M. 2005. An annotated bibliography of trapping literature. Appendix II in C.H. Fox and C.M. Papouchis, eds. *Cull of the Wild: A Contemporary Analysis of Wildlife Trapping in the United States*, Animal Protection Institute.

Magazines and Newsletters

Papouchis, C.M. 2002. The politics of predation. Desert Report. Sierra Club. 12 (Spring)

Papouchis, C.M. 2001. Mountain lions vs. bighorn sheep: Finding the Balance. Sierra Citizen 1(3):3.

Papouchis, C.M. 2001. Educating bears and people in California. International Bear News 10(2):15-16.

Fox, C.H. and C.M. Papouchis. 2000. The American Trickster: Learning to Live with Coyotes. Animal Issues 31(4):10-16.

- Papouchis, C.M. and C.H. Fox. 2000. We all have a right to know who is killing predators. High Country News. January 7.
- Papouchis, C.M. 1999. Return of the wolf. *Animal Issues* 30(2):20-25.
- Papouchis, C.M. 1999. Sheep in a rut. *Animal Issues* 30(1):20-24.

Curriculum

- Papouchis, C.M. 1992. Wondrous wetlands. Curriculum for the environmental education program of the Kenai National Wildlife Refuge, Alaska. U.S. Fish and Wildlife Service. Soldotna, Alaska.

PAPERS PRESENTED AT PROFESSIONAL CONFERENCES

- Sweanor, L., J. Beecham, C. Belden, D. Dawn, R. DeSimone, G. Koehler, S. Negri, C. Papouchis, H. Robinson, and R. Thompson. 2008. Formation of a professional organization: the Wild Felid Research and Management Association. *Ninth Mountain Lion Workshop*, Sun Valley, Idaho (May)
- Papouchis, C.M. 2006. Conflict, controversy and conservation: humans and mountain lions in the western U.S. *Carnivores 2006*. St. Petersburg, Florida (Nov).
- Papouchis, C.M. and E.M. Cunnison. 2006. People and mountain lions: strategies for coexistence. *Carnivores 2006*. St. Petersburg, Florida (Nov).
- Papouchis, C.M., R.A. Hopkins, and D.D. Dawn. 2005. A new paradigm for managing mountain lions in the 21st Century. *Eighth Mountain Lion Workshop*, Leavenworth, Washington (May).
- Papouchis, C.M. and T. Dunbar. 2004. Human-caused mountain lion mortality in the western U.S., 1997-2004. *Carnivores 2004*. Santa Fe, New Mexico (Nov).
- Hopkins, R.A. and C.M. Papouchis. 2004. A new paradigm for cougar conservation in the 21st Century: Distinguishing myth from science. *Carnivores 2004*. Santa Fe, New Mexico (Nov).
- Papouchis, C.M. and J.D. Wehausen. 2004. Desert bighorn sheep and mountain lions: confronting the challenges. *Desert Bighorn Council Meeting*. St. George, Utah.
- Papouchis, C.M. 2004. Mountain lion conservation in a changing landscape. *Western Section of the Wildlife Society Conference*. Rohnert Park, California (Feb).
- Papouchis, C.M. and M. Cullens. 2003. Community-based conservation of mountain lions. *10th Annual Conference of the Wildlife Society*. Burlington, Vermont (Sept).
- Papouchis, C.M. 2003. Mountain lions and bighorn sheep. *10th Annual Conference of the Wildlife Society*. Burlington, Vermont (Sept).
- Papouchis, C.M. and L.M. Cullens. 2003. Improving our understanding of mountain lion management trends: the value of consistent multi-state recordkeeping. *Seventh Mountain Lion Workshop*. Jackson, Wyoming. (May).
- Papouchis, C.M. and J.D. Wehausen. 2002. Conserving mountain lions and bighorn sheep: challenges to resolving an apparent disequilibrium. *Carnivores 2002*, Monterrey, California. (Nov).
- Cullens, L.M. and C.M. Papouchis. 2002. Conserving mountain lions in California - a collaborative approach (poster). *9th Annual Conference of the Wildlife Society*, Bismarck, North Dakota (Sept).

- Papouchis, C.M. and L.M. Cullens. 2002. After the hunt: challenges facing California's Mountain Lion Population. (poster). *82nd Annual Meeting of the American Society of Mammalogists*, St. George, Louisiana (June).
- Papouchis, C.M., F.J. Singer and W.S. Sloan. 2002. Responses of desert bighorn sheep to increased human recreation. *Western Section of the Wildlife Society Conference*. Visalia, California (March).
- Papouchis, C.M. 2001. Resolving conflicts with black bears. *Public Interest Environmental Law Conference*, Eugene, Oregon (March).
- Papouchis, C.M., F.J. Singer and W.S. Sloan. 1999. Effects of increasing human visitation on desert bighorn sheep in the Canyonlands National Park, Utah. *2nd North American Wild Sheep Conference*, Reno, NV (April).
- Singer, F.J., C.M. Papouchis (presenter), and K.K. Symonds. 1999. Guidelines for the restoration of bighorn sheep into large landscapes: report of recent findings. *2nd North American Wild Sheep Conference*, Reno, Nevada (April).
- Singer, F.J. and C.M. Papouchis. 1997. Genetic conservation and effective population sizes under varying management scenarios for the Pryor Mountain wild horses. *Pryor Mountain Wild Horse Range Management Conference*, Bozeman, Montana (May).

INVITED PRESENTATIONS, LECTURES AND WORKSHOPS

- Golden Gate Audubon's monthly Speaker Series. San Francisco Botanical Garden, San Francisco, California (November 2006). *Saving the mountain lion*.
- Eighth Mountain Lion Workshop, Washington Department of Fish and Wildlife, Leavenworth, Washington (May 2005). *Pumas, public opinion, and politics*.
- Pacific Grove Museum of Natural History, Pacific Grove, California (July 2004). *Co-existing with mountain lions*.
- Living with Carnivores forums. Garberville Civic Center and Eureka Community Center, California (Nov 17 and 18, 2003). *Co-existing with mountain lions*. Sponsored by the Northcoast Environmental Center and Defenders of Wildlife
- 7th Biennial Conference on Research on the Colorado Plateau. USGS- Biological Resources Division. Flagstaff, Arizona (Nov 2003). *Conserving mountain lions in a changing sociopolitical landscape*.
- Point Reyes National Seashore Association Field Seminars, Pt. Reyes National Seashore, California (Feb 2003). *Mountain lion ecology, management and conservation*.
- U.C. Davis, Department of Veterinary Medicine, Davis, California (Jan 2003). Graduate seminar in Conservation Biology and Veterinary Medicine Lecture. *Puma conservation in California* for.
- San Bernardino Community Forum, University of California, San Bernardino (Oct 2002). *Living with mountain lions*.
- U.C. Davis, Graduate Group in Ecology, graduate seminar in Conservation Biology, Davis, California, Oct 2002, *Mountain lion conservation and management*.
- Point Reyes National Seashore Association Field Seminars, Pt. Reyes National Seashore, California, February 2002, *Mountain lion ecology and conservation*.
- Co-existing with Native Predators Forum, Marin Humane Society, Novato, California, September 2001, *Co-existing with native carnivores: Living with our wild neighbors*.
- San Ramon-Dublin community forum on coyotes. Dublin Community Center, Dublin, California, July 2000, *Living with Coyotes*.

Motherlode Chapter of the Sierra Club, Lodi, California (February 2000). *Coyote ecology and the nonlethal resolution of conflicts with livestock.*

San Mateo Coyote Management Forum, Junipero Serra County Park, San Bruno, California (July 1999).
Preventative non-lethal methods to stem potential conflicts between coyotes and humans on the San Francisco Peninsula

ORGANIZATION AND MODERATING OF SESSIONS AT PROFESSIONAL CONFERENCES

Organized and moderated panel discussion titled “Mountain lions, People and Policy: Improving our prospects for effective conservation of a keystone predator” at the Carnivores 2009 Conference. Defenders of Wildlife. Denver, Colorado. (Nov).

Organized and chaired session on “Mountain lions: Attitudes and Management” at the Carnivores 2009 Conference. Defenders of Wildlife. Denver, Colorado. (Nov).

Organized and chaired sessions on “Mountain Lion Ecology”, “Mountain Lion Conservation”, and “Living with Lions.” At the Carnivores 2006 Conference. Defenders of Wildlife. St. Petersburg, Florida. (Nov).

Chaired session on “Political Influences of Mountain Lion Management” at the Eighth Mountain Lion Workshop. Washington Department of Fish & Wildlife. Leavenworth, Washington. (May 2005).

Organized three sessions on mountain lion conservation at the Carnivores 2004 Conference. Defenders of Wildlife. Santa Fe, New Mexico. (Nov).

Organized and chaired session on “Mountain Lion Conservation” at the Seventh Mountain Lion Workshop. Wyoming Game & Fish. Jackson, Wyoming. (May 2003).

Organized and moderated sessions on “Mountain Lion Conservation and Management”, “Mountain lion Conservation: Managing Change” and “Cougars, Cores and Corridors” at the Carnivores 2002 Conference. Defenders of Wildlife. Monterrey, California. (Nov).

PROFESSIONAL AND ACADEMIC SERVICE AND SOCIETIES

U.S. Fish and Wildlife Service

Implementation Science Team for the recovery of Sierra Nevada bighorn sheep	2011–present
Risk Assessment Team subgroup, Sierra Nevada Bighorn Sheep Recovery Team	2006–2009
Stakeholder group, Sierra Nevada Bighorn Sheep Recovery Team	2001–2006
Guidelines for Living with Florida and the Interagency Florida Panther Response Plan,	
Invited reviewer	2007

Wild Felid Research and Management Association (www.wildfelid.org)

Co-founder	2006
Governing council, interim member	2006–2010
Governing council, elected member (two - 3 year terms)	2010–2018
Newsletter committee	2007-present

Green Restaurant Alliance of Sacramento / ReSoil Sacramento

Board member	2018-present
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The Cougar Fund

Science review team, member	2007–2014
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Papers Reviewed for:

Journal of Wildlife Management; International Journal of Biodiversity and Conservation

Academic

California State University, Sacramento, Environmental Studies Department Faculty hiring committee	2019-2020
Antioch University New England, Department of Environmental Studies Curriculum committee, student member	1995–1996
Environmental education curriculum committee, student member	1995
Department newsletter, editor	1995–1996
Environmental justice working group, student member	1995–1996
Green committee, student member	1995–1996