

## Science Expertise

**Kristin H. Berry, Ph.D.**, Research Wildlife Biologist

- Demography and population trends in desert tortoises
- Health and diseases of desert tortoises
- Anthropogenic effects on desert tortoise populations and critical habitats
- Short- and long-term changes in Mojave and Colorado desert ecosystems

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**William I. Boarman, Ph.D.**, Research Wildlife Biologist; Adjunct Assistant Professor, Department of Biology, University of California, Riverside

- Behavioral ecology and conservation biology
- Ecology of subsidized predators
- Ecological impacts of roads
- Ornithology

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**Erin E. Boydston, Ph.D.**, Research Ecologist

- Carnivore ecology
- Animal behavior and conservation

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**Matthew L. Brooks, Ph.D.**, Research Botanist

- Fire ecology
- Invasive plant ecology
- Effects of anthropogenic disturbance

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**Michael L. Casazza, M.S.**, Wildlife Biologist

- Sage grouse ecology
- Bird capture and handling
- Telemetry (radio)
- Migratory waterfowl

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**Lesley A. DeFalco, Ph.D.**, Research Plant Ecologist

- Physiological ecology of desert plants
- Invasive and native plant interactions
- Ecological restoration of disturbed arid ecosystems

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**Todd C. Esque, Ph.D.**, Research Ecologist

- Conservation biology
- Plant-animal interactions
- Disturbance and restoration ecology in arid ecosystems

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**James A. Estes**, Ph.D., Research Ecologist; Research Associate and Adjunct Professor, Biology Department, Environmental Studies Department, and Institute of Marine Sciences, University of California, Santa Cruz

- Sea otter population biology
- Historical ecology
- Community ecology
- Marine conservation ecology

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**Gary M. Fellers**, Ph.D., Research Biologist

- Ecology of western amphibians
- Ecology of island populations of reptiles
- Ecology of bats
- Standardized survey techniques for amphibians
- Inventory and monitoring techniques for amphibians, reptiles, and mammals

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**Robert N. Fisher**, Ph.D., Research Zoologist; Research Professor of Biology, San Diego State University

- Herpetology, including declining species
- Conservation biology
- Monitoring program design for vertebrates
- Reserve design

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**Joseph P. Fleskes**, Ph.D., Research Wildlife Biologist

- Migratory waterfowl
- Avian ecology
- Bird capture and handling
- Landscape ecology
- Ornithology
- Telemetry (radio)
- Wetland ecology

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**Roger L. Hothem**, M.S., Wildlife Biologist

- Contaminants
- Ecological implications of contaminants
- Ecotoxicology
- Avian ecology
- Wildlife management

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**Jon E. Keeley**, Ph.D., Research Ecologist; Adjunct Professor, Department of Organism Biology, Ecology and Evolution, University of California, Los Angeles

- Fire ecology
- Invasive plant ecology
- Chaparral and forest ecology
- Watershed ecology

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**Barbara E. Kus**, Ph.D., Research Ecologist; Research Professor of Biology, San Diego State University

- Avian ecology
- Endangered species management and conservation
- Community ecology of riparian birds
- Riparian habitat restoration

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- Community ecology
- Parasite ecology

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**Kathleen M. Longshore**, Ph.D., Research Wildlife Ecologist

- Behavior and ecology of desert bighorn sheep
- Ecology and conservation of threatened and endangered species
- Impact of anthropogenic disturbance on wildlife species

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**Mary Ann Madej**, Ph.D., Research Geologist; Adjunct Professor, Humboldt State University

- Geomorphology
- Watershed restoration
- Erosion/sediment transport
- Ecological monitoring
- Riparian ecology
- Disturbance ecology

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**A. Kathryn McEachern**, Ph.D., Plant Ecologist

- Rare plant demography
- Plant community ecology
- Weedy species ecology
- Ecosystem monitoring

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**Philip A. Medica**, M.S., Wildlife Biologist

- Habitat conservation plan coordination
- Desert tortoise ecology and natural history
- Ecology and population dynamics of desert lizards and small mammals

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**A. Keith Miles**, Ph.D., Wildlife Biologist

- Ecotoxicology
- Invertebrate ecology
- Nearshore marine ecology
- Contaminants

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**Michael R. Miller**, M.S., Research Wildlife Biologist

- Agro-ecology
- Avian ecology
- Bioenergetics
- Wetland ecology
- Waterfowl population dynamics
- Telemetry (radio/satellite)

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**Kenneth E. Nussear**, Ph.D., Research Wildlife Biologist

- Physiological ecology of desert reptiles
- Environmental and physiological constraints on desert tortoise ecology
- Conservation biology

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**Steven E. Schwarzbach**, Ph.D., Assistant Director

- Environmental toxicology
- Avian reproduction
- Mercury bioaccumulation
- San Francisco Bay ecosystem

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- Global change ecology
- Fire ecology
- Forest ecology

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- Ecology of migratory waterbirds
- San Francisco Bay ecosystem
- Radio and satellite telemetry

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**Jan W. van Wagtenonk**, Ph.D., Research Forester

- Fire ecology
- Forest ecology
- Geographic information systems
- Wilderness ecology

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**Glenn D. Wylie**, Ph.D., Wildlife Biologist

- Herpetology
- Wetland ecology
- Radio telemetry (snakes)

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