

Kaia Lorelle Colestock
Wildlife Ecologist
38 Lower Cutter Drive, Watsonville, CA 95076
Phone: (805) 444-8726

EDUCATION

M.S. Ecology, 2007. Utah State University, Logan, UT.
B.S. Fisheries & Wildlife, 2002. Michigan State University, East Lansing, MI.

EMPLOYMENT HISTORY

2013-Present **Wildlife Ecologist**, Dawn Reis Ecological Studies
2012-2013 **Wildlife Biologist**, Ecosystems West, Inc.
2012-2013 **Wildlife Biologist**, Swaim Biological, Inc.
2012-2013 **Pinniped Intern**, Long Marine Lab
2009-2014 **Wildlife Biologist**, BioResource Consultants, Inc.
2009 **Bird-Biologist Educator**, Starr Ranch Sanctuary
2008 **Field Technician**, Idaho Bird Observatory
2008 **Field Technician**, BioDiversity Research Institute
2008 **Field Technician**, University of Florida
2007 **Avian Intern**, U.S. Forest Service
2007 **Field Assistant**, The Nature Conservancy
2003-2006 **Graduate Research Assistant**, Los Alamos National Lab/Utah State University
2002-2003 **Post-Bac Student**, Los Alamos National Lab

SELECTED PUBLICATIONS AND REPORTS

Colestock, K and J.M. Fair. 2005. Avian Individual and Population Health on Los Alamos National Laboratory 2005: Foraging Effects and Egg Contaminant Residues. LA-UR-05-7272. Los Alamos National Laboratory, NM.

Fair, J.M., Hathcock, C.D., and K. Colestock. 2004. Contaminants in Eggs of Western Bluebirds and Ash-throated Flycatchers at Los Alamos National Laboratory, New Mexico. LA-UR-04-0991. Los Alamos National Laboratory, NM.

Fair, J.M. and K. Colestock. 2003. Avian Individual and Population Health on Los Alamos National Laboratory 2003: Large-scale Piñon Pine Tree Mortality Impacts and Egg Contaminant Residues. LA-UR-03. Los Alamos National Laboratory, NM.

REPRESENTATIVE EXPERIENCE

2013-Present **Dawn Reis Ecological Studies, Watsonville, CA**

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- Conducted pre-construction wildlife surveys for nesting birds, potential bat roosts, California Red-legged Frogs (CRLF), and non-native bullfrogs;
- Monitored construction activities to find and relocate wildlife;
- Focused day time and night time surveys for CRLF included adults, sub-adults and tadpole captures and relocations;
- Conducted CRLF rescues and relocations of captured frogs from focused surveys, project related dewatering, and from construction monitoring.

2013 **Ecosystems West, Santa Cruz, CA**

- Rare plant surveys at Fort Ord, Seaside, CA;
- Biological assessment for development projects.

2013 **NOAA Southwest Fisheries Science Center, Santa Cruz, California**

- Rockfish fecundity study, mid-water trawling;
- Invertebrate and fish identification;
- Marine mammal surveys (daytime and night) and seabird surveys;
- Fishing for female sanddabs off the coast of Monterey; and
- Sorting sanddab eggs in the lab and compiling counts of oocytes.

2012-2013 **Swaim Biological, Inc., Livermore, CA**

- Conducted surveys for California red-legged frog (*Rana draytonii*) and California tiger salamander (*Ambystoma californiense*);
- Monitored construction crews for environmental compliance.

2012 **Pinniped Cognition Lab, Long Marine Lab, Santa Cruz, California**

- Animal husbandry and care of pinnipeds and diet preparation;
- Training and free-feeding techniques;
- Elephant seal monitoring fieldwork;
- Analysis of harbor seal underwater acoustic data;
- Set-up and running cognition and acoustic experiments;
- Water quality sampling; data collection, and record-keeping.

2009-2012 **BioResource Consultants, Inc., Ojai, CA**

- Point count and raptor surveys for multiple wind energy projects (CA, NV);
- Supervising, training, and leading crews of 3-4 people;
- Goshawk and owl playback surveys;
- Nesting and post-mortality avian surveys;
- Bio-acoustic monitoring of birds and bats (passive and active surveys);
- Bat call-signature analysis;
- Helicopter survey for project site assessment;
- Plant restoration and removal of invasive plants in local watersheds;

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- Trapping Brown-headed cowbirds to monitor Least Bell's Vireo populations;
- Southwestern pond turtle radio-tagging study;
- Desert tortoise surveys and monitoring;
- Water-quality sampling;
- Rare plant surveys;
- Data management, CNDDDB searches, and technical report writing.

2009

Starr Ranch Sanctuary, Trabuco Canyon, California

- Leading the MAPS station and supervising/training volunteers;
- Coastal Cactus Wren surveys and avian point counts;
- Teaching multiple adult Ecology Programs & junior biologist programs;
- Native grass seed collection and artichoke thistle removal;
- Herpetological pitfall traps and arthropod sampling.

2008

Idaho Bird Observatory, Boise, Idaho

- Hawkwatch International raptor migration counts and trapping;
- Banding owls & songbirds, and public education.

2008

BioDiversity Research Institute, Penobscot, Maine

- Capturing shorebirds, marsh birds, and songbirds along the Penobscot River;
- Trapping Virginia Rails and blood sampling for mercury concentrations;
- Harbor and gray seal field observations; and
- Double-crested Cormorant egg collection.

2008

University of Florida, Miami, Florida

- Monitoring 12 wading bird species in Everglades (airboat, aerial, & on foot);
- White Ibis methylmercury studies at University of Florida aviary;
- Great-white Heron radio-tagging in Florida Keys.

2007-2008

Smith Veterinary Hospital, Santa Fe, NM

- Assisting veterinarians with animal handling and patient care;
- Blood-drawing, lab work and IV catheter placement and intubation.

2007

Redwood Sciences Laboratory, U.S. Forest Service, Arcata, CA

- Banding, ageing, and sexing passerines and owls with mist-netting techniques from eight stations in the Trinity-Shasta National Forest;

2007

The Nature Conservancy, Ft. Hood, Texas

- Nest searching Golden-cheeked Warblers and Black-capped Vireos;
- Mist-netting, color-banding, ageing and sexing captured adults.

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- 2003-2007 **Avian Science Team, *Atmospheric, Climate, & Environmental Dynamics*
Los Alamos National Lab, New Mexico, & Utah State University**
- Examining foraging effects on contaminant uptake in cavity-nesting passerines: Western Bluebird and Ash-throated Flycatcher.
 - Mist-netting and banding adults and nestlings and monitoring productivity;
 - Tracking adult home range and re-sighting color bands;
 - Egg collection and arthropod sampling.
- 2002-2003 **Biology Team, *Ecology Group*, Los Alamos National Lab, New Mexico**
- Honey bee management and behavioral studies;
 - Migratory bird banding stations and a managing nestbox network;
 - Mexican spotted owl surveys; and
 - Small mammal trapping and sampling for Hanta Virus studies.
- 2000-2002 **Wildlife Team, *Ecology Group*, Los Alamos National Lab, New Mexico
Vegetation Team, *Ecology Group*, Los Alamos National Lab, New Mexico**
- Elk and deer radio-telemetry;
 - Large mammal night spotlight surveys;
 - Small mammal trapping and demography;
 - Mule deer drop-netting and assistance collaring individuals;
 - Large predator analysis (mountain lion and black bear);
 - Trapping black bears and setting up scent stations;
 - Damage assessments of fire road/breaks for Cerro Grande Fire;
 - Scat transects for coyote, rabbit, and mule deer;
 - Vegetation surveys & plot sampling on post-fire regeneration of aspens;
 - Jemez Mountain salamander (endangered) surveys;
 - Reptile pitfall trapping in wetlands;
 - Data entry and management and use of GPS remote sensing.
- 2000 **African Wildlife Ecology & Management, Kenya, Africa**
- Designed a management plan for the cape buffalo;
 - Wrote a research proposal for Nakuru National Park; and
 - Designed a habitat management plan for the Masai Mara National Reserve.

PROFESSIONAL DEVELOPMENT

- PISCO Scientific diver (UCSC), Santa Cruz, CA;
- Docent for the Monterey Bay National Marine Sanctuary Exploration Center (NOAA), Santa Cruz, CA;
- REEF CHECK Eco-diver monitoring, Coastal California;
- Underwater photographer assistant for Marc Shargel, Felton, CA;

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- LiMPETS intertidal zone monitoring, Coastal California;
- Oyster restoration sampling, Elkhorn Slough Reserve, Moss Landing, CA;
- Water quality sampling with Coastal Watershed Council, Monterey Bay;
- Golden-crowned sparrow behavioral study, Santa Cruz, CA;
- Assistant for a Steelhead population study, Capitola, CA;
- International Beach Clean-up Days, Coastal California;
- Banding assistant for population monitoring in Ramsey Canyon, AZ;
- Restoration for watershed invasive species, Ojai, CA;
- Raptor handler, Wildlife Center, Espanola, NM;
- Herpetological assistant; pit-tagging Crotalus snakes in Animas Mountains, NM;
- SCUBA assistant; biodiversity of intertidal zone, Puerto Peñasco, Mexico.

CERTIFICATES & LICENSES

- Pilot's license (Private Pilot; FAA ID#: 3222217)
- Boating license (State of Florida; >200 hours airboat time)
- Fishing license (State of California; exp 12/2014)
- Master Scuba Diver (NAUI 2013)
- AAUS Scientific Diver (Moss Landing Marine Laboratory, 2013)
- REEF CHECK Eco-diver (2013)
- First Aid, CPR & O2 certification (NAUI; current)
- NABC-certified passerine bander (>1000 hours)
- Raptor & venomous snake handling certification (Wildlife Center, NM)