

ASHLEY R. GRUPENHOFF

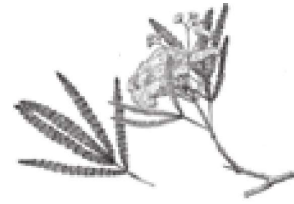
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EDUCATION

University of California, Davis

PhD in Ecology, In Progress

Advisors: Dr. Hugh Safford



Virginia Commonwealth University (Richmond, VA)

Bachelor of Science, Magna Cum Laude, Biology; Minor: Mathematics

May 2016

GPA: 3.6 of maximum 4.0

Advisor: Dr. Lesley Bulluck

Undergraduate Honors Thesis: "Reproductive success and survival of a Neotropical migratory songbird in response to a changing climate."

AWARDS and HONORS

- Mildred E. Mathias Graduate Student Research Grant (\$1,400) 2019
- Outstanding Undergraduate in Ecology Award 2016
- Dean's List, Virginia Commonwealth University 2012-2016

CONFERENCE PRESENTATIONS

- "Reproductive Success and Survival of a Neotropical Migratory Songbird," North American Ornithological Conference. Washington D.C., 2016.

RESEARCH EXPERIENCE

Crew chief

June 2019-present

University of California Davis

Davis, CA

Led crew of 3 field assistants on a project aiming to understand the dynamics and patterns of vegetation response to prescribed fire in the northern Sierra Nevada montane forests. Responsible for planning and conducting vegetation sampling before, during, and after fire operations and identifying California plants to species with dichotomous key. Obtained an Incident Qualification Card (Red Card) for wildland firefighting.

Research Technician

June 2018-June 2019

University of Santa Barbara and USDA Forest Service

Goleta, CA

Assisted in conducting vegetation surveys throughout the Los Padres, Angeles, San Bernardino, and Cleveland National Forests examining pre- and post-fire community structure. Collected, managed, and analyzed data on species composition, regeneration, burn severity, species cover, and identified all tree, shrub, and herbaceous species with dichotomous key.

- Field Technician** **September 2018- January 2019**
 Channel Islands Restoration Santa Barbara, CA
 Assisted in the eradication of invasive Tamarisk species in the Sisquoc River and Manzana Creek in order to restore and maintain habitat for riparian-dependent species (Federally listed arroyo toad, California red-legged frog, and steelhead trout).
- Avian Technician and Crew Lead** **April 2017-November 2017 & May 2018**
 Smithsonian Migratory Bird Center Santa Cruz Island, CA
 Monitored nests and quantified behavior of the Island Scrub-Jay by assisting with bird capture and banding, mapping territories, and collecting nest vegetation data.
- Banding Technician** **December 2017-March 2018**
 Smithsonian Migratory Bird Center Tiputini Biodiversity Station, Ecuador
 Assisted in a project examining how individual variation in the hormone-signaling pathway affects social network structure in a cooperative lek-breeding bird, the wire-tailed manakin (*Pipra filicauda*). Banded and bled total of 20 birds for hormone assays and assisted in target netting marked individuals.
- Environmental Technician** **July 2017-October 2017**
 ManTech International Lompoc, CA and Fallon, NV
 Supported habitat restoration, vegetation studies, and general biological monitoring for U.S. Air Force base by managing spatial data in GIS and Adobe Lightroom and identifying all Great Basin flora with use of dichotomous key.
- Banding Technician** **October 2016-April 2017**
 The Institute for Bird Populations Ta'u, American Samoa
 Monitored six MAPS (Monitoring Avian Productivity and Survivorship) stations on a remote south pacific island and managed data on passerine age, gender, reproductive status, behavior and habitat use.
- VABCI Golden-winged warbler Crew Leader** **May 2016**
 PI: Lesley Bulluck Highland County VA
 Led crew to target net and re-sight color banded Golden-winged warblers for geolocator retrieval. Collected and analyzed data on passerine age, gender, reproductive status, behavior and habitat use.
- Banding Intern** **May 2015-August 2015**
 The Institute for Bird Populations Yosemite National Park, CA
 Monitored six MAPS (Monitoring Avian Productivity and Survivorship) stations. Responsible for operation and repair of mist nets, processing birds, and describing habitat of each station. Collected and managed data on passerine age, gender, reproductive status, behavior and habitat use.
- Field Technician** **March 2014-September 2014**
 PI: Lesley Bulluck Richmond, VA
 Assisted in a project quantifying spatial and temporal variation in aquatic and terrestrial prey abundance for a riparian songbird and examined the lateral export of an algal bloom toxin, Microcystin, from stream systems. Completed vegetation surveys, water

sampling, bird banding, mist netting, and bird dissections and was responsible for insect sampling and identification of insect species.

CERTIFICATIONS

Incident Qualification Card (Red Card): June 2019

Wilderness First Aid: June 2019

Leave no trace trainer: February 2016

Wilderness First Responder: January 2015

CPR/First Aid Certified: July 2014

Swift Water Rescue (ACA): February 2014

LEADERSHIP EXPERIENCE

VCU Outdoor Adventure Program

May 2013-May 2016

Trip Manager, Trip Leader, and Climbing Wall Attendant

Richmond, VA

Oversaw multiday trip logistics: sea kayaking, backpacking, canoeing, and caving and led trips focusing on teaching outdoor skills and leave no trace ethics. Facilitated creation on *Footprints on the James*: outdoor recreation, biology, and history integrative summer course.

VOLUNTEER WORK & EXTRACURRICULAR ACTIVITIES

- Trail work for Santa Barbara Mountain Bike Trail Volunteers (2017-2019)
- Worked as hiking guide and naturalist in Cotopaxi National Park, Ecuador (2016).
- President of Green Unity and Rams Community Bazaar at VCU (2012-2016).
- Assisted with workshops and volunteer coordination for VCU Community Garden (2012-2016).
- Preceptored for biology course: introduction to biology for biology majors at VCU (2013).