

Jesse Alston

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RESEARCH INTERESTS

conservation biology, biogeography, macroecology, global change ecology, behavioral ecology, community ecology, spatial ecology, scientific communication, open access, diversity in science

EDUCATION

University of Wyoming, Laramie, WY (Expected December 2018)

M.S. in Zoology and Physiology (Statistics minor)

GPA: 3.83

Davidson College, Davidson, NC (May 2014)

B.A. in Environmental Studies (Economics minor)

GPA: 3.48 (overall); 3.67 (Environmental Studies)

RESEARCH AND PROFESSIONAL EXPERIENCE

Research/Teaching Assistant, University of Wyoming, Laramie, WY (2017-present)

Research Technician, Wyoming Natural Diversity Database, Laramie, WY (2016)

Biological Technician (Wildlife), United States Forest Service, Leavenworth, WA (2016)

Wildlife Research Technician, Natural Resources Research Institute, Duluth, MN (2014-2015)

Biological Technician (Wildlife), United States Forest Service, Leavenworth, WA (2014)

Summer Research Fellow, Davidson Research Initiative, Davidson College, Davidson, NC (2013)

ACADEMIC PUBLICATIONS

Alston, J.M., J. E. Millard, J.A. Rick., et al. 2017. Observations of notable parental behaviours of Northern Spotted Owls (*Strix occidentalis caurina*). *Canadian Field-Naturalist* 131(3): 225-227.

ACADEMIC PUBLICATIONS (IN PREPARATION)*

Alston, J.M., M.J. Joyce, J.A. Merkle, and R.A. Moen. Behavioral thermoregulation of a boreal ungulate at its southern range boundary. In prep.

Alston, J.M., D.A. Keinath, and J.R. Goheen. Tree-roost studies of North American bats: a critical review. In prep.

* manuscripts available upon request

RESEARCH GRANTS (Total: \$22,252)

\$1,500	<i>Metabolic Costs of Climate Change for a Temperate Bat</i> . American Society of Mammalogists. 2018.
\$9,752	<i>Identifying and Conserving Roosts with Ideal Thermal Characteristics for Bats</i> . National Park Service. 2018.
\$6,000	<i>Metabolic Costs of Climate Change for a Temperate Bat</i> . Berry Ecology Center, University of Wyoming. 2018.
\$4,000	<i>Metabolic Costs of Climate Change for a Temperate Bat</i> . L. Floyd Clarke Research Award, Department of Zoology and Physiology, University of Wyoming. 2018.

\$1,000 *Hibernation Timing of Bats at Jewel Cave, SD.* Prairie Biotic Research, Inc. 2017.

AWARDS, HONORS, FELLOWSHIPS, AND OUTREACH GRANTS

2018 University of Wyoming Graduate School Travel Award (\$350)
2018 Society for Conservation Biology Travel Award (\$200)
2018 University of Wyoming Department of Zoology and Physiology Travel Funding (\$350)
2018 American Society of Mammalogists Travel Award (\$400)
2018 NSF Graduate Research Fellowship Program, Honorable Mention
2017 The Wildlife Society (Wyoming Chapter) Graduate Student Scholarship (\$1,000)
2016 Laramie Audubon Society Small Grant (\$500)
2013 Davidson Summer Research Fellowship, Davidson Research Initiative (\$7,000)
2010-2013 Pioneer Football League Academic Honor Roll
2010-2011 National Merit Scholarship (\$2,500)

POPULAR MEDIA ARTICLES

Schweitzer, S.H., E. Williams, **J.M. Alston**, and A.A. Conkey. (In prep). TBD. *The Wildlife Professional*.

Alston, J.M. (July 2018). Sportsmen Need to Get the Lead Out. *High Country News*.

Alston, J.M. (January 2018). The Power of Fossil Fuels is Fading. *High Country News*.

Alston, J.M. (April 2017). Hunter-Angler-Biologist. *Backcountry Journal*.

Alston, J.M. (February 2017). The Rust Belt Elevated Trump, But Its Electoral Power Is Dwindling. *FiveThirtyEight*.

Alston, J.M. (December 2016). My Secret Life on the Frontlines of America's Conservation Movement. *Narratively*.

Alston, J.M. (November 2016). Wolverines Face Recovery Roadblocks. *Earth Island Journal*.

PRESENTATIONS

Alston, J.M., I.M. Abernethy, D.A. Keinath, M.E. Dillon, and J.R. Goheen. (July 2018). *Metabolic Costs of Climate Change in a Temperate Bat*. North American Congress for Conservation Biology, Toronto, ON, CA. Oral presentation.

Alston, J.M., I.M. Abernethy, D.A. Keinath, M.E. Dillon, and J.R. Goheen. (June 2018). *Metabolic Costs of Climate Change in a Temperate Bat*. American Society of Mammalogists Annual Meeting, Manhattan, KS. Oral presentation.

Alston, J.M., I.M. Abernethy, D.A. Keinath, and J.R. Goheen. (December 2017). *Thermoregulatory behavior of fringed myotis (Myotis thysanodes) and its implications for conservation*. Wyoming Chapter of The Wildlife Society Annual Meeting, Jackson, WY. Poster.

Alston, J.M., D.A. Keinath, and J.R. Goheen. (April 2017). *Tree-roosting bats in the western United States: what we know and what's next*. Western Bat Working Group Biannual Meeting, Fort Collins, CO. Oral presentation.

Reno, C.J., **J.M. Alston**, S.K Windels, and R.A. Moen. (April 2015). *Moose use of aquatic resources for cooling and sodium needs*. 49th North American Moose Conference, Middle Park, CO. Poster.

Alston, J.M., M.J. Joyce, and R.A. Moen (February 2015). *Lidar analysis of snowshoe hare habitat in northeastern Minnesota*. Minnesota/Wisconsin Wildlife Society Annual Meeting, Duluth, MN. Poster.

Alston, J.M. and D.A. Martin (June 2014). *Bioeconomic modeling of the Atlantic menhaden fishery*. Association of Environmental Studies and Sciences Annual Conference, New York City, NY. Poster.

TEACHING EXPERIENCE

2018 **Teaching Assistant**, Mammalogy (ZOO 4370), Fall Semester

2017 **Teaching Assistant**, Mammalogy (ZOO 4370), Fall Semester

TRAINING/WORKSHOPS

2017 **Quantitative Analyses of Field Data Workshop**, University of Wyoming

2017 **R Spatial Ecology Bootcamp**, University of Wyoming

PROFESSIONAL SERVICE

2018 **Organizer**, CV Review Panel, University of Wyoming Chapter, The Wildlife Society

2017-present **Task Force Member**, Ethnic & Gender Diversity Working Group, The Wildlife Society

2017 **Speaker**, Professional Development Workshop, University of Wyoming Chapter, The Wildlife Society

OUTREACH ACTIVITIES

2017-present **Field Surveys Podcast**, University of Wyoming Biodiversity Institute, Laramie, WY

2018 **Bats of Jewel Cave Interpretive Activity**, Jewel Cave National Monument, Custer, SD

2017 **Field Surveys Podcast Presentation**, Laramie Audubon Society, Laramie, WY

2017 **Bats of Jewel Cave Field Trip**, Jewel Cave National Monument, Custer, SD

2017 **Ask an Animal Expert Activity**, Bird Rock Elementary School, San Diego, CA

2014 **Hawk Festival Event**, Hawkwatch International/US Forest Service, Pateros, WA

2014 **Reptile Day Event**, Davidson College, Davidson, NC

VOLUNTEER EXPERIENCE

2018 **Volunteer Staff**, North American Congress for Conservation Biology, Toronto, ON

2017 **Volunteer Surveyor**, Teton Raptor Center, Wilson, WY

2016 **Volunteer Observer**, Hawk Watch International, Pateros, WA

2016 **Trainee**, Wyoming Natural Diversity Database, Laramie, WY

2016 **Teacher/Tutor**, Nepal Orphans Home, Kathmandu, Nepal

2015 **Volunteer Surveyor**, Hawk Ridge Bird Observatory, Duluth, MN

2014 **Volunteer Observer**, Hawk Watch International, Pateros, WA

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

Society for Conservation Biology (2016-present)
American Society of Mammalogists (2016-present)
The Wildlife Society (2015-present)

MANUSCRIPT REVIEWS

Journal of Mammalogy (1)

MENTEES AND TRAINEES

Field Technicians

2018	Emma Greene, University of Wyoming
2017-2018	Leandra Boodoo, University of Wyoming
2017-2018	Corrie McFarland, University of Wyoming