



Lauren Helton

Biologist & Scientific Illustrator

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Education

B.A. 2008 Biology, Whitman College
Minor: Studio Art

Employment

Staff Biologist and Scientific Illustrator, The Institute for Bird Populations, Petaluma, CA.
Trains new bird banders in banding practices in North and Central America and the Pacific Islands.
Manages field crews, verifies banding data, and recruits seasonal biologists. Project manager for Tropical Monitoring Avian Productivity and Survivorship in Saipan, CNMI (2014-current) and Tongan Ground-Dove project in American Samoa (2017-current).

Creates illustrations for IBP publications, presentations, reports, outreach materials and more.

Peer-reviewed Journal Articles

Saracco, J.F., R.B. Siegel, **L. Helton**, S. Stock, and D. DeSante, 2019. Phenology and productivity in a montane bird assemblage: trends and responses to elevation and climate variation. *Global Change Biology* 2019:25;985-086.

Saracco, J.F., P. Radley, P. Pyle, E. Rowan, R. Taylor, and **L. Helton**. 2016. Linking vital rates of landbirds on a tropical island to rainfall and vegetation greenness. *PLoS ONE* 11(2):e0148570.

Siegel, R.B., R. Taylor, J.F. Saracco, **L. Helton**, and S. Stock. 2016. GPS-tracking reveals non-breeding locations and apparent molt migration of a Black-headed Grosbeak. *Journal of Field Ornithology* 87:196-203.

Technical reports and other publications

P. Pyle, D. Roche, Z. Emery, E. Fishel, H.M. Todaro, M. Wayne, J. Wong, K. Kayano, D. Kaschube, and **L. Helton**. 2018. The Tropical Monitoring Avian Productivity and Survivorship (TMAPS) Program in American Samoa: 2018 Report. The Institute for Bird Populations, Point Reyes Station, CA.

Pyle, P., K. Kayano, A. Doyle, S. Fitz-William, A. Grupenhoff, A.J. Pate, F. Tousley, C. Weissburg, D. Kaschube, and **L. Helton**. 2017. The Tropical Monitoring Avian Productivity and Survivorship (TMAPS) Program in American Samoa: 2017 report. The Institute for Bird Populations, Point Reyes Station, CA.

Kaschube, D.R., S. Albert, **L. Helton**, and R. Taylor. 2016. The 2015 Annual Report of the Monitoring Avian Productivity and Survivorship (MAPS) Program on Fort Bragg, North Carolina. The Institute for Bird Populations, Point Reyes Station, CA.

Helton, L.W., R.B. Siegel, D.R. Kaschube, and S. Stock. 2015. The 2014 annual report of the Monitoring Avian Productivity and Survivorship (MAPS) Program in Yosemite National Park. The Institute for Bird Populations, Point Reyes Station, CA.



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Pyle, P., K. Kayano, J. Reese, V. Morgan, R.S. Mulitalo, J. Tigilau, S. Tuvalu, D. Kaschube, R. Taylor, and **L. Helton**. 2015. The Tropical Monitoring Avian Productivity and Survivorship (TMAPS) Program in American Samoa: 2015 report. The Institute for Bird Populations, Point Reyes Station, CA.

Saracco, J.F., **L. Helton**, and P. Pyle. 2015. Seasonal demographics of landbirds on Saipan: report on the 2013-14 TMAPS program. The Institute for Bird Populations, Point Reyes Station, CA.

Work Experience

Field Biologist, Institute for Bird Populations, Oregon. May through August 2011.

Trained and managed teams of bird banding technicians across multiple locations throughout the state of Oregon for IBP's Monitoring Avian Productivity and Survivorship project.

Field technician Institute for Bird Populations, Saipan, CNMI, May through October 2010, and Siuslaw National Forest, OR, Summer 2009

Extracted and banded 1500 passerines and near-passerines on Saipan and in Oregon for IBP's Monitoring Avian Productivity and Survivorship project.

Aplomado Falcon Hack Site Attendant, The Peregrine Fund, Valentine, TX, Summer 2007 and 2008

Released, fed, and monitored fledgling Aplomado Falcons. Assisted in operation of hack sites at four ranches in West Texas. Coordinated with ranchers and Peregrine Fund staff.

Student Field Ecologist, The School for Field Studies, Yungaburra, Queensland, Australia, Spring 2007

Determined the species assemblage of insectivorous bats in a highly endangered rainforest fragment.

Birds of prey volunteer, Oregon Zoo, Portland, OR 2002-2004.

Fed, trained, and exercised a variety of captive raptors, as well as Indian Runner Ducks and Hadada Ibis. Presented live public demonstrations on zoo grounds and at schools. Participated in full flight summer shows to zoo visitors.

Teaching Experience

Biology Lab Teaching Assistant, Arkansas State University, Jonesboro, AR. 2011-2012.

Taught introductory Biological Sciences and Cell Biology to undergraduate students.

Nature Specialist, Willowbrook Center for the Development of Human Potential, Tualatin, OR, 2006.

Organized, planned, and taught science and natural history lessons to children ages 8 to 12.

Biology Lab Teaching Assistant, Whitman College, Walla Walla, WA, 2005-2006

Instructed beginning biology students in a wide array of basic laboratory practices.

Field Skills

Passerine banding, ageing and sexing; raptor trapping and handling; captive bird care; visual and auditory identification of birds; habitat and vegetation analysis; benthic arthropod collection and identification; minnow trapping and fish identification; small mammal trapping and processing.

Software Skills

Program R; Microsoft Office suite; Open Office suite; Adobe Photoshop, ArcGIS.

Typing: 96 wpm.



Illustration bibliography

The Institute for Bird Populations Annual Report. 2020. 20 pp.

Cole, J.S., R.B. Siegel, H.L. Loffland, E.A. Elsey, M.W. Tingley, and M. Johnson. 2020. Plant selection by bumble bees (Hymenoptera: Apidae) in montane riparian habitat of California. *Environmental Entomology* 49:220–229

Saracco, J.F., and M. Rubenstein. 2020. Integrating broad-scale data to assess demographic and climatic contributions to population change in a declining songbird. *Ecology and Evolution* 10: 1804-1816.

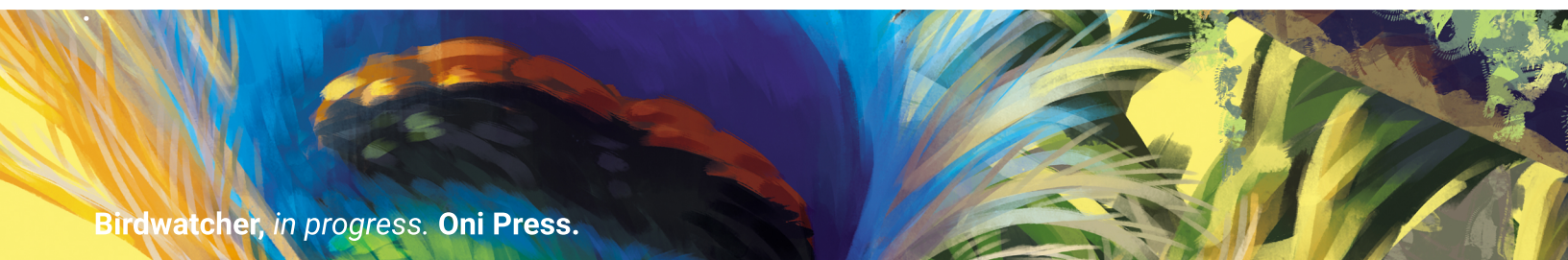
Blakey, R.V., E.B. Webb, D.C. Kesler, R.B. Siegel, D. Corcoran, and M. Johnson. 2019. Bats in a changing landscape: linking occupancy and traits of a diverse montane bat community to fire regime. *Ecology and Evolution* 2019:1-14.

Saracco, J.F., R.B. Siegel, L. Helton, S. Stock, and D. DeSante. 2019. Phenology and productivity in a montane bird assemblage: trends and responses to elevation and climate variation. Poster presented at the 2019 American Ornithological Society meeting.

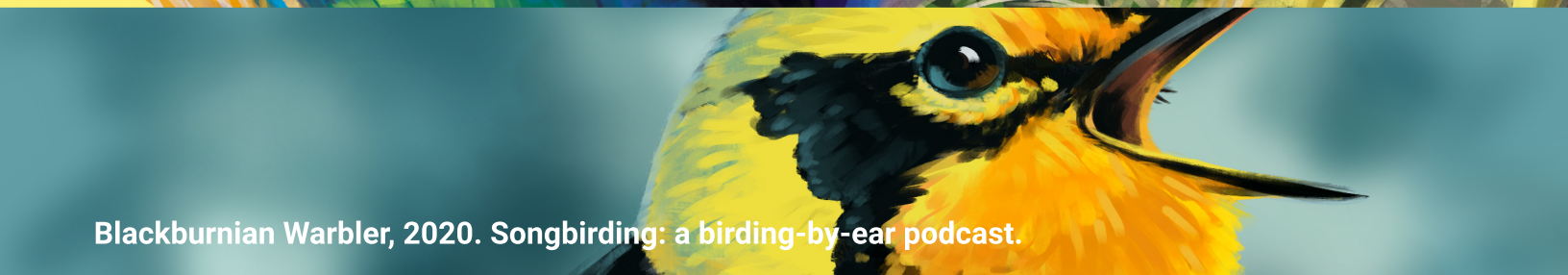
Pyle, P., J.F. Saracco, and D.F. DeSante. 2018. Evidence of widespread movements from breeding to molting grounds by North American landbirds. *The Auk: Ornithological Advances* 135:506-520.

Siegel, R.B., R. Taylor, J.F. Saracco, L. Helton, and S. Stock. 2016. GPS-tracking reveals non-breeding locations and apparent molt migration of a Black-headed Grosbeak. *Journal of Field Ornithology* 87:196-203.

Selected illustration projects



Birdwatcher, in progress. Oni Press.



Blackburnian Warbler, 2020. *Songbirding: a birding-by-ear* podcast.



Sinecaster (unpublished board game), 2016. Drehelm Specialty Gaming