

Harrison B Goldspiel



<https://hgoldspiel.github.io> | hbgoldspiel@gmail.com

EDUCATION

SUNY College of Environmental Science and Forestry

Syracuse, NY

MSc in Environmental and Forest Biology

Jan 2016–May 2018

- Concentration in Ecology
- Research topic: *Forest legacy effects on amphibian populations*

Brandeis University

Waltham, MA

BA in Environmental Studies

Aug 2009–May 2013

- Minor in Health: Science, Society and Policy (HSSP)
- GPA: 3.8, Major GPA: 4.0; Magna Cum Laude

School for International Training

Quito, Ecuador

Semester abroad in Comparative Ecology and Conservation

Jan 2012–May 2012

Relevant Coursework: Population Modeling, Quantitative Methods in Biology, Advanced GIS, R & Reproducible Research, Sampling Methods, Ecology, Tropical Ecology and Conservation, Wetland Ecology, Invasion Ecology, Animal Behavior, Cell Biology, Genetics, Traditional Ecological Knowledge

RESEARCH & CONSERVATION EXPERIENCE

Galapagos Conservancy (www.galapagos.org)

Puerto Ayora, Galápagos, Ecuador

Biologist

Sep 2018–Jul 2020

- Provided analytical and field support for the Giant Tortoise Restoration Initiative (GTRI)

Department of Environmental and Forest Biology, SUNY-ESF

Syracuse, NY

Research Assistant, Gibbs Lab

Jan 2018–Jun 2019

- Modeled demographic responses of Blanding's turtles to headstarting in upstate NY
- Designed and implemented a tadpole dietary experiment for transgenic American chestnut
- Investigated drivers of social-ecological outcomes in Siberian herder-grassland systems
- Analyzed social media data (i.e., Flickr) to quantify forest tourism and recreation values

Sierra Streams Institute (SSI)

Nevada City, CA

AmeriCorps member, River Scientist

Nov 2014–Oct 2015

- Monitored long-term ecological research sites in the Deer Creek watershed
- Oversaw collection and management of data from aquatic wildlife surveys
- Coordinated watershed-scale citizen science monitoring and ecological restoration projects

Archbold Biological Station

Venus, FL

Restoration Ecology & Herpetology Research Intern

Mar–Oct 2014

- Captured, handled, and identified larval and adult amphibian, reptile, and invertebrate species
- Collected and managed data on wetland hydrology and biochemistry in seasonal ponds
- Investigated effects of fire management (time-since-fire) and feral hogs on amphibians

Suburban Ecology Project, Brandeis University

Waltham, MA

Research Intern in Forest Ecology and Management

Jan–May 2013

- Surveyed plant and land cover profiles of long-term forest monitoring plots in Weston, MA
- Apprenticed on education-based maple sugar, firewood, and conservation programs

TEACHING EXPERIENCE

Department of Environmental and Forest Biology, SUNY-ESF

Syracuse, NY

Graduate Teaching Assistant

Jan 2016–Dec 2017

- Course contributions:
 - Problem Solving in Conservation Biology (Spring 2016)
 - Field Herpetology (Summer 2016)
 - Dendrology (Fall 2016, Fall 2017)
 - Herpetology (Spring 2017)

LEADERSHIP & MENTORING EXPERIENCE

Department of Environmental and Forest Biology, SUNY-ESF

Syracuse, NY

Graduate Mentor

Sep 2016–Dec 2017

- *Field techs:* Noah Garwood, Cassie Schlosser, Caden Richardson
- *Lab techs:* Cassie Schlosser, Britton Conway, Alyssa Dugan, Allie Sholk, Monica Banghart

Bike & Build (www.bikeandbuild.org)

Rider (Northern U.S. Route)

Nov 2012–Aug 2013

- Fundraised over \$4,600 and raised awareness about affordable housing issues in the US
- Rode from New Hampshire to Vancouver (3767 mi.), with 30 other cyclists
- Developed construction skills on ten build sites and facilitated discussions about affordable housing and bike safety in communities across the country

PEER-REVIEWED PUBLICATIONS

3. Kuehn, D, Gibbs, JP, **Goldspiel, HB**, Barr, B, Sampson, A, Moutenot, M, Badding, J, Stradtman, L. 2020. Using social media data and park characteristics to understand park visitation. *Journal of Park and Recreation Administration*. <https://doi.org/10.18666/JPra-2019-10035>.
2. **Goldspiel, HB**, Cohen, JB, McGee GG, and Gibbs, JP. 2019. Forest land-use history affects outcomes of habitat augmentation for amphibian conservation. *Global Ecology and Conservation* 19: e00686. <https://doi.org/10.1016/j.gecco.2019.e00686>.
1. **Goldspiel, HB**, Newhouse, AE, Powell, WA, and Gibbs, JP. 2019. Effects of transgenic American chestnut leaf litter on growth and survival of wood frog larvae. *Restoration Ecology* 27.2: 371–378. <https://doi.org/10.1111/rec.12879>.

BOOK CHAPTERS

2. Tapia, WA, **Goldspiel, HB**, Sevilla, C, Málaga J, Gibbs, JP. 2020. Santa Fe Island: Return of Tortoises via a Replacement Species. In: Gibbs, JP, Cayot, L, Tapia, WA, editors. *Galapagos Tortoises, 1st Edition*. Academic Press, Cambridge, MA.
1. Gibbs, JP and **Goldspiel, HB**. 2020. Population Biology. In: Gibbs, JP, Cayot, L, Tapia, WA, editors. *Galapagos Tortoises, 1st Edition*. Academic Press, Cambridge, MA.

REPORTS

1. Tapia, WA, **Goldspiel, HB**, Sevilla, C, and Gibbs, JP. 2019. Evaluación de la población de tortugas gigantes de la isla Española (*Chelonoidis hoodensis*) y la necesidad de mantener un programa de reproducción y crianza inicial en cautiverio. Report prepared for the Galapagos National Park Directorate. GTRI, Galapagos Conservancy. 47 Pages.

CONTRIBUTED PRESENTATIONS

Goldspiel, HB, Tapia, WH, Cayot, LJ, Rueda, D, Sevilla, CS, Shoemaker, KT, and Gibbs, JP. From near-extinction to recovery: conservation successes and challenges for the Española tortoise (*Chelonoidis hoodensis*) in Galápagos, Ecuador. Lecture given at the **2020 Latin American Congress for Conservation Biology (LACA)**, Puebla, Mexico.

Goldspiel, HB, Nagel, LD, Schlesinger, MD, Waddell, J, Curatolo, J, and Gibbs, JP. Long-term effects of landscape restoration on amphibian populations: Insights from a decade of monitoring constructed vernal pools in central New York. Lecture given at the **2019 New York State Wetlands Forum**, Saratoga Springs, NY, USA.

Goldspiel, HB. Spatial and historical drivers of pool-breeding amphibian occupancy in central New York. Poster presented at the **2017 Student Conference for Conservation Science**, New York, NY, USA.

Goldspiel, HB. Spatial and historical drivers of pool-breeding amphibian occupancy in central New York. Poster presented at the **2017 Joint Meeting of Ichthyologists and Herpetologists**, Austin, TX, USA. (*best poster in Ecology, Natural History, Distribution and Behavior*)

HONORS & AWARDS

Society for the Study of Amphibians and Reptiles

- Victor Hutchinson Student Poster Award in Ecology (JMIH, July 2017)

Chicago Herpetological Society

- Graduate Student Research Grant, \$1000 (February 2017)

SUNY College of Environmental Science and Forestry

- Office of Instruction and Graduate Studies Travel Grant, \$500 (March 2017)
- Graduate Student Association Travel Grant, \$500 (March 2017)
- Graduate Student Association Research Grant, \$500 (May 2016)

Norcross Wildlife Foundation

- Research Equipment Grant, \$3,000 (May 2015)

PROFESSIONAL MEMBERSHIPS

The Wildlife Society	2020–Present
Society for Ecological Restoration	2018–Present
The Ecological Society of America	2017–Present
Society for Conservation Biology	2017–Present
Society for the Study of Amphibians and Reptiles	2016–Present

SERVICE

Ad-hoc journal peer review: *Herpetological Conservation & Biology*, *Journal of Herpetology*

ADDITIONAL SKILLS & CERTIFICATIONS

- Wilderness First Responder (NOLS, July 2019-2021)
- CPR & First Aid (NOLS, July 2019-2021)
- Multi-day backpacking and backcountry trip planning (5+ years, 500+ miles)
- Statistical and geospatial software: RStudio, ArcGIS, QGIS, GitHub, Microsoft Office
- Spanish proficient (10+ years)