

# Dr. Jo Peacock (was Kingsbury)

Assistant Professor of Restoration and Sustainable Land Management

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## Education and Training

**PhD Environmental Science – The Ohio State University** (2016 – 2021)

**Thesis title:** Effects of Ecological and Agricultural Disturbance on Forest-Grassland Ecotones and Wildlife in Beni, Bolivia: Consequences for Restoration, Conservation and Sustainable Ranching

**BSc (Honours) Zoology 2:1 - University of Glasgow** (2007 – 2011)

**Thesis title:** Assessing the population size, distribution and microhabitat preferences of three little known threatened birds within a Bolivian Savanna

**Certified Ohio Prescribed Fire Manager** (2018)

Certified by Ohio Division of Natural Resources

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## Professional Experience

**Assistant Prof. Restoration and Sustainable Land Management** (2023-present)

The Ohio State University

**Visiting Assistant Prof. Restoration and Sustainable Land Management** (2022-2023)

The Ohio State University

**Project Officer – Garnock Valley Landscape-scale Restoration Program** (Sep 2012 – July 2016)

Royal Society for Protection of Birds, Scotland (RSPB Scotland)

**Scientific Advisor and Field Supervisor – Bolivia Beni Savanna Expedition 2012** (Sep 2011 - Sep 2012)

University of Glasgow Exploration Society

**Expedition Leader – Bolivia Beni Savanna Expedition** (2009, 2010, and 2011 field seasons)

University of Glasgow Exploration Society

**Expedition Leader – Ecuador Payamino Rainforest Expedition** (2008 field season)

University of Glasgow Exploration Society

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## Course Teaching History

Instructor – ENR 5560 Dynamics of Ecosystem Restoration 2023 – Present

Guest Lecturer – ENR 4800 Practical Skills in Ecosystem Restoration 2022

Instructor – ENR 4800 Practical Skills in Ecosystem Restoration 2018 - Present

Teaching Assistant - ENR 5560 Dynamics of Ecosystem Restoration 2018 - 2021

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## **Publications and Reports**

### ***Research Publications***

- [Peacock J](#), Macleod R, Boorsma T, Hennessey B (in prep): Population trends, habitat use and foraging ecology of the critically endangered blue-throated macaw (*ara glaucogularis*) within a protected reserve in the Llanos de Mojos. Target Journal – Bird Conservation International
- [Peacock J](#), Tonra C, Davies M (in prep): Response of bird functional diversity and composition to restoration is contingent on habitat type across a savanna-grassland ecotone. Target Journal – Functional Ecology
- [Peacock J](#), Tonra C, Davies M (in prep): Compound disturbance from fire and seasonal flooding shapes the density, distribution and functional composition of woody plants across a savanna-grassland ecotone. Target Journal – Forest Ecology and Management
- [Peacock J](#), Macleod R, Tonra C, Davies M (in review): Populations of three declining grassland birds show species-specific responses to resources and habitat structure, indicating a need for complex conservation management approaches within a Neotropical Savanna. IBIS
- [Peacock J](#), King, J, Davies M, Tonra C (2021): [Peacock J, Tonra CM, King J, Davies GM \(2021\) Restoration of gallery forest patches improves recruitment of motacú palms \(Attalea princeps\) while diversifying and increasing wildlife populations. PLoS ONE 16\(4\): e0250183](#)  
<https://doi.org/10.1371/journal.pone.0250183>
- Kawa NC, Ding Y, [Kingsbury J](#), Goldberg K, Lipschitz F, Scherer M, Bonkiye F (2019) Night Soil: Discontinuities and Opportunities for Bridging the Metabolic Rift. *Ethnobiology Letters*. 10(1), 40-49.

### ***Research Reports – available at <http://glasgowexsoc.org.uk/reports/>***

- [Kingsbury, J.](#) (2012): The University of Glasgow Bolivia Expedition Report 2012.
- [Kingsbury, J.](#), MacDonald, E. (2011): The University of Glasgow Bolivia Expedition Report 2011.
- [Kingsbury, J.](#) (2010): The University of Glasgow Bolivia Expedition Report 2010.
- [Kingsbury, J.](#), Dickson, I. (2009): The University of Glasgow Bolivia Expedition Report 2009.
- [Kingsbury, J.](#), Godsman, K. and Morton, . (2008) University of Glasgow Ecuador Expedition Report 2008

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## **Conference Talks and Seminars**

- Peacock Jo, Boorsma T, Macleod R (upcoming August 2023) Population trends, habitat use and foraging ecology of the critically endangered blue-throated macaw in a protected reserve in the Llanos de Mojos; AFO Meeting; Gramado, Brazil
- Peacock Jo, G Matt Davies, Tonra Christopher (October 2022) Response of bird functional diversity and composition to restoration is contingent on habitat type across a savanna-grassland ecotone; AFO; MA.
- Kingsbury Jo, Davies G Matt, Tonra Christopher M (Aug 2019) ESGP Online Fay Fellowship Private Funder talk-back; OSU Environmental Science Graduate Program; Columbus OH
- Kingsbury Jo, Davies G Matt, Tonra Christopher M, Macleod Ross (Oct 2019): Threatened Birds, Dynamic Habitats and Disturbance – Conserving Birds in One of the Worlds Most Threatened and Understudied Savannah Ecosystems; AFO-WOS Joint Meeting ; Cape Mat, NJ.
- Kingsbury Jo, Davies G Matt, Tonra Christopher M, Macleod Ross (Mar 2019): Threatened Birds, Dynamic Habitats and Disturbance – Conserving Birds in One of the Worlds Most Threatened and Understudied Savannah Ecosystems; SER Midwest and Great Lakes 2019 - Annual Chapter Meeting; Pella, IA.
- Kingsbury Jo, Davies G Matt, Tonra Christopher M, Macleod Ross (Feb 2019): Natural and human mediated disturbance – influences on bird habitats in the Beni Savannas of Northern Bolivia; Tinker Talks Series; Ohio State University, OH.

- Kingsbury, J. (April 2018): Threatened Birds, Dynamic Habitats and Disturbance – Conserving Birds in One of the Worlds Most Threatened and Understudied Savannah Ecosystems, AOS, Tucson AZ
- Kingsbury Jo, Davies G Matt, Tonra Christopher M, Macleod Ross (Mar 2017): Tropical Grassland Restoration for Biodiversity in Beni, Bolivia; SER Midwest and Great Lakes 2017 - Annual Chapter Meeting; Grand Rapids, MI.
- Kingsbury Jo, Davies G Matt, Tonra Christopher M, Macleod Ross (Sept 2016): Restoring Tropical Grasslands for Birds in Beni, Bolivia. ESGP Seminar, Ohio State University, OH
- Kingsbury, J. (Sept 2014): Developing landscape-scale conservation in Ayrshire. RSPB Staff Conference, Edinburgh, Scotland
- Kingsbury, J. (Jan 2014): Bolivia Expeditions 2009-2013 report back. World Land Trust, London
- Kingsbury, J. (Sept 2013): Four years of student-led conservation science in Beni Bolivia, Tropical Biology Conference, Glasgow University, Glasgow, Scotland

### **Selected Funding, Grants and Scholarships**

#### ***Funding for PhD study:***

• American Ornithological Society - Mewaldt-King Award	(2019)	\$2,500
• International Association of Wildland Fire Graduate Scholarship	(2018)	\$3,000
• Tinker Foundation Field Research Grant	(2018)	\$2,500
• Global Gateway Graduate Research Abroad Grant	(2018)	\$1,000
• OSU- ORDAC SEEDs Grant	(2017)	\$5,000
• OSU – OIA Academic Enrichment Fieldwork Grant	(2017)	\$5,000

#### ***Previous Professional funding:***

• Heritage Lottery Fund – Phase I Landscape Partnership Grant (resulted in successful Phase II grant for £5.2 million (\$7M) following my departure to OSU)	(2016)	\$720 000
• Royal & Ancient – Commercial Sector Conservation Support	(2015)	\$60 000

#### ***Previous Research Funding\*:***

• Zoological Society of London – Expedition Fieldwork Grant	(2012)	\$650
• Royal Geographic Society – Expedition Fieldwork Grants	(2010/2012)	\$2300
• Royal Scottish Geographic Society – Expedition Fieldwork Grants	(2009/2010)	\$1200
• Carnegie Trust – Expedition Fieldwork Grant	(2009/2010/2011)	\$5200
• University of Glasgow Court – Expedition Fieldwork Grants	(2009/2010/2011)	\$5000
• Chester Zoo – Studentship	(2010)	\$650
• Glasgow Natural History Society - Expedition Fieldwork Grants	(2009/2010)	\$2000
• Gilchrist Educational Trust– Expedition Fieldwork Grant	(2009/2010)	\$2600
• Thriplow Charitable Trust– Expedition Fieldwork Grant	(2009/2010)	\$3600
• Albert Rekkitt Charitable Trust– Expedition Fieldwork Grant	(2009)	\$1000
• University of Glasgow– Vacation Scholarship	(2009/2010)	\$2000

*\*Over the years, I have procured or assisted in procuring a total of £81 000 (\$110 000) in funding to support the research expeditions outlined (£63 000 for the Glasgow University Bolivia Expeditions, £18 000 for the Ecuador expedition) The awards outlined represent some of the more prestigious.*

## Professional and University Service

- Ohio State University, School of Environment and Natural Resources, Olentangy River Wetlands Management Team, **Terrestrial Restoration Representative** (2022-present)
  - Ohio State University, School of Environment and Natural Resources, Indigenous Environmental Studies, **Faculty Search Committee Member** (2022)
  - Ohio State University, School of Environment and Natural Resources, Applied Ecology, **Lecturer Search Committee Member** (2022)
  - Ohio State University, School of Environment and Natural Resources, **Wooster Library Revisioning Committee Member**, (2022)
  - Association of Field Ornithologists, **Council Member** (2022-present)
  - Collaborative Carbon Initiative, **Ohio State University Faculty Representative** (2022-present)
  - Ohio State University, College of Food, Agriculture and Environmental Sciences, **Student Poster Judge** (2022)
  - Society for Ecological Restoration, Ohio State Student Chapter, **Founding President** (2017-2018)
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## Mentoring

### ***Incoming Graduate Students (2023):***

- **Alisa Mancini (MS):** Alisa will be rejuvenating an historic red oak experiment to understand survivorship, growth, phenology and wildlife value of a variety of red oak ecotypes in the context of climate change.
- **John Esherm (MS):** John will study the influence of historic management, landscape context and habitat structure on bird communities across a forest-farmland gradient in Ohio.

### ***Graduate Committees:***

- **Monica Moreu-Vicente (MS):** Monica is studying fire ecology and cultural responses to fire management techniques in European heathlands.
- **Rebecca Ralston (MS):** Rebecca is studying how environmental factors shape spring arrival dates of Prothonotary warblers.
- **Rosemary Koontz (MS):** Rosemary is studying the phenology of Dutch Elm Disease tolerant elms and birds.

### ***Undergraduate:***

- **Antonio Zodda (Undergraduate Research Credits):** Antonio is assisting with the digitization of historic forestry data and developing a protocol with a private landowner for vernal pool monitoring.
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