

## Stream + Wetlands Foundation Assistantship Progressing Stream and Wetlands Research

This program supports Ohio University graduate students engaged in interdisciplinary, applications-based stream and wetland research in the region. Responsibilities of the assistantships include development of application based stream and wetland research projects that advance the understanding of stream and wetland ecological restoration, evaluation, and outcomes. Funding includes graduate stipends and some research project costs (equipment, supplies, and travel). Duration of support ranges from one semester to two years (2018-2020), depending on the needs and progress of the student.

The list below provides broad research ideas of interest:

1. Developing a "rapid" watershed approach to determine ecological restoration needs and feasibility for identification of restoration project sites.
2. Developing methods for articulating natural successional outcomes in restored streams and wetlands.
3. Elucidating ecological benefits and environmental services temporally and spatially for restored streams and wetlands.
4. Developing methods for controlling invasive species in restored ecosystem using non-chemical methods
5. Developing methods for defining restoration measures and criteria for endangered species habitat restoration in streams and wetlands
6. Developing habitat suitability indices for various species to measure pre- and post- restoration effectiveness.
7. Developing an understanding of policy options for maintaining and restoring ecosystem services provided by streams and wetlands, particularly the effectiveness of ecosystem service markets.
8. Developing wetland based educational curriculum at the high school level, integrating information into the Watershed Education website hosted by the Voinovich School, and teaching in local high schools.

Applicants must be full-time, degree-seeking graduate students enrolled in or accepted for admission to an Ohio University graduate program appropriate to studying applied stream and wetland restoration science, education, or policy. Students must identify a graduate advisor drawn from University faculty and jointly develop a well-conceived research project that involves innovative learning opportunities while also solving real-world problems. Awardees will be selected on the basis of their record of scholarly performance, leadership potential, and the merits of the proposed research project.

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Applicants should submit:

- a) A curriculum vitae describing prior coursework and relevant experience
- b) A 2-3 page statement of research and education interests that includes one or more research project ideas. *Applicants should work with their potential graduate advisors to develop specific project idea.*
- c) Copies of transcripts and GRE scores (part of graduate application)
- d) A statement of career goals/research interests (part of graduate application cover letter)
- e) Three letters of recommendation (part of the graduate application)

**Review of applications will begin as early as February 2, 2018.**

For more information on the Master's of Science in Environmental Studies including the online application, see [www.ohio.edu/environmentalstudies](http://www.ohio.edu/environmentalstudies) or contact Environmental Studies Program Director Dr. Geoff Dabelko at [dabelkog@ohio.edu](mailto:dabelkog@ohio.edu). For more information on Stream + Wetlands Assistantships specifically, please contact these faculty and staff members of the Voinovich School of Leadership and Public Affairs at Ohio University, Athens, Ohio:

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This internship is supported by the Stream + Wetlands Foundation, a non-profit organization based in Lancaster, Ohio focused on using funds from entities required to provide compensatory mitigation for impacts to aquatic resources to: acquire land, design and complete restoration and rehabilitation projects, and to provide long-term maintenance and stewardship of completed projects. <http://streamandwetlands.org/>

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