

Position: PhD Assistantship in Assessing Efficacy of Agricultural BMPs Relative to Conservation of Stream Biota

Project: Innovative multi-scale assessment of the effectiveness of widely implemented agricultural BMPs in improving physical, chemical, and biotic conditions in streams of the upper Tennessee River basin

Location: Department of Fish and Wildlife Conservation, Virginia Tech, Blacksburg, VA

Responsibilities: Help design and lead watershed-based studies of relationships among landscape features, sediment/nutrient loading, water and benthic habitat quality, and instream biotic communities to advance understanding of agricultural BMP effectiveness. Conduct field and modeling studies to relate BMP implementation to conservation of at-risk stream species. Conduct data analyses, write reports, develop public presentations, and publish peer-reviewed papers related to these studies. Complete relevant coursework.

Qualifications: MS in stream ecology or related discipline, with landscape and conservation perspectives; working knowledge of water and habitat quality, sediment/nutrient dynamics, and watershed models; demonstrated ability to work independently and publish findings; strong writing, speaking, statistical, and spatial-analysis skills; highly motivated.

Salary: \$24,500 - \$25,700/year plus tuition.

Closing Date: 8 March 2019.

Contact: Send a single pdf that includes a) letter of interest (2-page maximum), b) curriculum vitae, c) GRE scores, d) sample of scientific writing (e.g., a first-authored manuscript in preparation or published paper, and e) contact information for three references who know your research skills and interests to:

Paul L. Angermeier, Department of Fish and Wildlife Conservation, Virginia Tech, Blacksburg, VA 24061-0321; 540-231-4501; biota@vt.edu. Selected applicants will need to apply formally to the Virginia Tech Graduate School before acceptance.

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