Position**:** PhD Assistantship in Assessing Effects of BMPs and Land Use in the Chesapeake Bay Basin on Stream Fishes

Project: Innovative multi-scale assessment of the effectiveness of widely implemented BMPs in improving physical, chemical, and biotic conditions in streams of the Chesapeake Bay 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 stream fish communities to advance understanding of BMP effectiveness. Conduct field and modeling studies to relate BMP implementation and land use to fish population and community responses. Conduct data analyses, write reports, develop public presentations, and publish peer-reviewed papers related to these studies. Complete relevant coursework.

Qualifications: MS in fish/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 in a team, and to publish findings; strong writing, speaking, statistical, and spatial-analysis skills; highly motivated.

Salary: $26,000 - $27,000/year plus tuition.

Closing Date: 16 October 2020.

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