

## A Survey of Amphibians at the Smithsonian Environmental Research Center, Anne Arundel County, Maryland

Todd A. Tupper<sup>1,\*</sup>, Robert Aguilar<sup>2</sup>, Tina Sepahpur<sup>1</sup>,  
Coline C. Hay<sup>1</sup>, Seyedesara Ebrahimi<sup>1</sup>

<sup>1</sup>Department of Math, Science, and Engineering  
5000 Dawes Avenue  
Northern Virginia Community College  
Alexandria, Virginia 22311

<sup>2</sup>Fish and Invertebrate Ecology Lab  
Smithsonian Environmental Research Center  
647 Contees Wharf Road  
Edgewater, Maryland 21037

### ABSTRACT

During a two-year amphibian inventory at the Smithsonian Environmental Research Center (SERC) in Anne Arundel County, Maryland, we documented approximately 93% (13/14) of the county's frog and toad fauna and 56% (5/9) of the salamanders. We also provide a general framework for monitoring difficult-to-detect calling anurans (Wood Frog and Eastern Spadefoot) and Spotted Salamander at SERC. In addition, we incidentally documented 53% (21/40) of the county's reptiles. The known herpetofauna of SERC consists of 39 species.

*Key words:* amphibian, anuran call surveys, amphibian monitoring, frogs, toads, salamanders.

---

\*Corresponding author: [tupper@nvcc.edu](mailto:tupper@nvcc.edu)