

Sarah Rose Engel

October, 2000

Business

Virginia Save Our Streams
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Home

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Education

Virginia Polytechnic Institute and State University, Blacksburg, VA
Master's Degree in Entomology, Candidate, December 2000

The Ohio State University, Columbus, OH
Bachelors of Science (cum laude with distinction), Environmental Science, Water Concentration, June 1998

Relevant Employment

Virginia Save Our Streams Program, Raphine, VA 2001
Chief Biologist

Maintained database and website. Assisted with field training of volunteers in biomonitoring methods. Updated methods manual. Planned and attended meetings and gave relevant presentations. Data quality assurance.

Ginny and John Elam Environmental Education Center, Columbus, Ohio Spring 1998
Environmental Education Specialist

Implemented environmental lesson plans with groups of children.

Ohio Environmental Protection Agency, Division of Surface Water, Columbus, Ohio 1997 to 1998
Intern

Organized and maintained field material. Provided field assistance. Processed samples for identification.

Clermont Soil and Water Conservation District, Clermont County, Ohio Fall 1993
Volunteer

Entered data. Helped implement workshops for environmental education materials. Assisted with education in the classroom and stream-side. Attended annual state meeting.

Research Experience

Virginia Tech, Department of Entomology, Blacksburg, VA 1998 to 2000
Graduate Research Assistant

Project Title: "Validation and modification of citizen biomonitoring in the state of Virginia."

This intent of this study was to determine how the data from the Virginia Save Our Streams program compared with professionally collected. Modifications were suggested to improve the quality of the citizens' data.

Advisor: Dr. J. Reese Voshell, Jr.

The Ohio State University, School of Natural Resources, Columbus, Ohio 1997 to 1998
Undergraduate Research Experience

Project Title: "The effects of cover on the feeding rates and weight gain of the dobsonfly larvae (*Corydalis cornutus*)"

The purpose of this study was to determine the role of benthic structure on the feeding rates and efficiency of transformation of nutrition to weight gain for the *Corydalis cornutus*.

Advisor: Dr. David Johnson

Affiliations

North American Benthological Society, member since 1998

Entomological Society of America, member since 1998

Union of Natural Resource Students, The Ohio State University, 1994-1998

Extension/Outreach Experience**Presentations**

<i>Citizens for Water Quality Summit</i> , Charlottesville, VA. Ran invited workshop with presentation on modified VA Save-Our-Streams protocol	June 2000
<i>Stream Habitat Restoration and Management Symposium</i> , Virginia Tech, Blacksburg, VA Presented poster on class research project	December 1999
<i>Citizens for Water Quality Quarterly Meeting</i> , Charlottesville, VA Gave summary of research	August 1999
<i>Roanoke River Watershed Conference</i> , Virginia's Explore Park, Roanoke, VA Gave invited talk on assemblage responses to perturbations	July 1999
<i>Save Our Streams Monitor Merriment</i> , Museum of Natural History, Blacksburg, VA Gave summary of research	November 1998
<i>Stream School</i> , Virginia Tech, Blacksburg, VA Gave summary of research; assisted participants with identifications	October 1998

Education

<i>Youth Conservation Camp</i> , Kentland Farm, Whitethorne, VA. Assisted students in learning about insects and biomonitoring	July 2000 July 1998
<i>4-H Share Fair</i> , Virginia Tech, Blacksburg, VA Shared entomology information to visiting 4-H from across the state	June 2000
<i>Take your Daughter to Work Day</i> , Blacksburg, VA Taught daughters about entomology	April 2000
<i>American Fisheries Society 4-H Day</i> , Blacksburg, VA Taught students about insects and biomonitoring in a field setting	April 2000
<i>Science Spectacular</i> , Science Museum of Western Virginia, Roanoke, VA Taught visitors about entomology	February 1999
<i>Department of Entomology Tours</i> , Virginia Tech, Blacksburg, VA Taught visitors about entomology	1998-2000

Professional Presentations

<i>North American Benthological Society Annual Meeting</i> , Keystone, Colorado "Evaluation of citizen biomonitoring in Virginia."	2000
<i>Entomological Society of America Annual Meeting</i> , Atlanta, Georgia "Analysis of citizen biomonitoring to determine the ecological condition of streams."	1999
<i>Department of Entomology Departmental Seminar</i> , Virginia Tech, Blacksburg, Virginia "Validation of citizen biomonitoring in Virginia streams."	1999

References

Available upon request