

## Tricia Ann Trimble

Fisheries and Illinois Aquaculture Center  
Life Science II, Room 173  
Southern Illinois University  
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### Experience:

- *Researcher II*: Cooperative Wildlife Research Laboratory and Fisheries and Illinois Aquaculture Center, Southern Illinois University Carbondale (SIUC) (June 2007-present).  
Serving as laboratory manager and researcher for wildlife toxicology lab and as researcher for aquatic toxicology lab. Duties include performing toxicological analyses of different matrices, including sediment, water and tissue as well as assisting graduate students with planning and executing research, and training on various laboratory methods, including sample preparation, extractions and clean up of extracts. Also gaining experience in collecting, maintaining and disposing of hazardous waste generated by both labs.
- *Graduate Research Assistant*: Cooperative Wildlife Research Laboratory, SIUC (August 2006- May 2007).  
Served as manager for Wildlife Toxicology laboratory, while assisting graduate students with research and maintaining analytical equipment, including gas chromatograph. (This position was concurrent with graduate research described below, by arrangement through the Department of Zoology at SIUC).
- *Graduate Research Assistant*: Fisheries and Illinois Aquaculture Center, SIUC (May 2004-May 2007).  
Conducted research on chemical approaches to assess the bioavailability of PCBs to aquatic invertebrate *Lumbriculus variegatus*, using field-collected sediments, while concurrently serving as manager of wildlife toxicology laboratory. Duties included partial Teaching Assistant assignments during Spring 2005 and Fall 2006 semesters.
- *Culturist*: Fisheries and Illinois Aquaculture Center, SIUC (May 2004-August 2006).  
Maintained the health, reproduction and sustainability of aquatic invertebrate cultures, for use in research examining the toxicity of environmental contaminants to aquatic species, while on Graduate Research Assistantship.
- *Undergraduate Research*: Fisheries and Illinois Aquaculture Center, SIUC (January 2003-May 2004).  
Conducted research on water quality and the effects of pesticide contaminants on the aquatic resources present at the Sparta Illinois National Guard Armory.
- *Laboratory Assistant (Work Study Program)*: Fisheries and Illinois Aquaculture Center, SIUC (April 2002-May 2003).  
Assisted graduate students with toxicological research, maintained needed materials in aquatic toxicology laboratory (glassware, substrate, water, chemicals, etc.), maintained research organisms such as *Chironomus tentans* and *Hyallela azteca* to include feeding, water changes, tank maintenance and water chemistry, and assisted Researcher II with upkeep of fish species such as fathead minnows and channel catfish.
- *Deer Checker*: Randolph County Conservation Area, Chester, IL (November 22-24, 2002).  
Assisted in determining age of deer based on tooth eruption and wear, tagged deer and recorded data for the Illinois Department of Natural Resources.
- *Laboratory Animal Caretaker (Work Study Program)*: Laboratory Animal Program, SIUC (August 2001-May 2002).  
Responsible for the care and welfare of laboratory animals such as mice, rats and rabbits, maintained animals' living quarters, and conducted visual health checks during handling.

- *Veterinary Technician*: Heidelberg Veterinary Treatment Facility, Heidelberg, Germany (March 1999-February 2001).

Responsible for providing veterinary care for the military community and military working dogs, including general physicals, vaccinations, canine and feline dental cleanings, assisting veterinarian during surgery and animal physicals, monitoring anesthesia, performing minor surgery, blood work and laboratory duties, clerical duties, assisting clients, clinic inventory and general upkeep of facility.

- *Veterinary Volunteer*: Heidelberg Veterinary Treatment Facility, Heidelberg, Germany.

Volunteered at clinic prior to employment as veterinary technician. Duties included cleaning and disinfecting of kennels, walking dogs, assisting technicians or veterinarians during exams and minor clerical duties.

### **Education:**

- *Master of Science, Zoology*, SOUTHERN ILLINOIS UNIVERSITY CARBONDALE, Illinois (May 2004-May 2007) GPA: 3.5

Transcripts available upon request.

- *Bachelor of Science, Zoology*, minor in Chemistry, SOUTHERN ILLINOIS UNIVERSITY CARBONDALE, Illinois (August 2001-May 2004)

Major GPA: 4.0, Cumulative GPA: 3.84

Transcripts available upon request.

- 53 credit hours completed towards an *Associate of Science, Biological Science*, BLACK HAWK COMMUNITY COLLEGE, Moline, Illinois (1993-1995)

### **Awards and Honors:**

- Recipient of *2003-2004 Research-Enriched Academic Challenge (REACH)* under the project title: "The Assessment of Water Quality and General Aquatic Health at the Sparta Illinois National Guard Armory", Summer 2003-Spring 2004

- Undergraduate Research Assistantship, Fall 2003-Spring 2004

- Dean's List: Fall 2001-Summer 2002, Spring 2003-Fall 2003

- Society of Environmental Toxicology and Chemistry (SETAC) Travel Award: Fall 2003

- SETAC Travel Award: Fall 2005

**Organizations:** Student member of Society of Environmental Toxicology and Chemistry (SETAC)

### **Presentations:**

- SETAC Regional meeting: Cincinnati, OH. 2003. Presented poster entitled: Assessment of water quality at the Sparta, IL National Guard Armory.

- SETAC National meeting: Austin, TX. 2003. Presented poster entitled: Assessment of water quality at the Sparta, IL National Guard Armory.

- SETAC Regional meeting: Carbondale, IL. 2005. Presented poster entitled: Chemical approaches for assessing the bioavailability of PCBs from sediment.

- SETAC National meeting: Baltimore, MD. 2005. Platform oral presentation entitled: A chemical approach for assessing the bioavailability of PCBs from sediment.

### **Publications:**

- DR Ownby, TA Trimble, KA Cole and MJ Lydy. 2004. Pesticide residues in water, sediment and fish at the Sparta, IL USA, National Guard Armory. *Bull. Env. Contam. Toxicol.* 73:802-809.

- J You, PF Landrum, TA Trimble and MJ Lydy. 2007. Availability of polychlorinated biphenyls in field-contaminated sediment.

- TA Trimble, J You, and MJ Lydy. 2008. Bioavailability of PCBs from field-collected sediments: Application of Tenax extraction and matrix-SPME techniques. *Chemosphere* 71:337-344.

**References:**

Michael J. Lydy, Professor, Department of Zoology, Southern Illinois University (618) 453-4091

Jonathan Maul, Assistant Professor, Department of Environmental Toxicology, Texas Tech University (806) 885-4567

Kimberly A. Cole, Central Laboratory Superintendent, City of Carbondale (618) 457-8613 (ext. 23)

Ray Adams, Coordinator of Laboratory Animal Program, Southern Illinois University (618) 536-2346