

# KRISTIN R. CLOSSON

## EDUCATION

2013 The College at Brockport, SUNY, Brockport, NY.

BS, Environmental Science and Biology, (w/Aquatic and Terrestrial Ecology Concentration)

## EXPERIENCE

**AquaTox Research, Inc., Syracuse, NY**

**Dec. 2013 – Present**

Responsible for maintenance of test organisms, conductance of toxicity tests with freshwater and saltwater fish and invertebrates, measurement of test solution water chemistry, data analysis and report preparation.

**New York State Department of Environmental Conservation, Rome, NY**

**May 2012–October 2012, May–Nov, 2013**

Assisted in conducting various aquatic research projects throughout New York State focusing on collecting samples on mercury/ PCB/other xenobiotic toxins. Conducted laboratory/field research, data entry and analysis, and scientific writing.

- Worked on Investigation of PCB contamination using PISCES at the Richardson Hill Road Landfill to identify effects of landfill on local aquatic environment.
  - Completed sediment sampling.
  - Electroshocked streams and sein netted local pond to collect variety of fish samples to analyze fish for bioaccumulation of PCBs.
  - Placed PISCES samplers at various stream/pond locations for later collection to analyze PCB levels in waters.
  - Weighed, measured, and tagged specimens collected.
- Assisted in major research project to compare toxicity of various chelated copper algacides and copper sulfate to non–target fish to identify if addition of surfactant increased affected toxicity.
  - Maintained cultures of Brook Trout, Brown Trout, and Fathead Minnows used in both field and laboratory toxicity studies.
  - Set up two different testing procedures for each species using multiple container size to control concentrations of algacides/copper sulfates.
  - Collected and analyzed all data and prepared journal article that provides evidence that addition of surfactant increases the toxicity of these algacides to important non–target aquatic species.
- Completed collection of samples for various projects within DEC utilizing gill/trap/ seine netting and electrofishing,
  - Trends in mercury contamination in Young–of–the–Year (YOY) yellow perch.
  - PCBs and Organochlorine Pesticide Residues in Young–of–Year Fish From New and Traditional Near–shore Sampling Areas in the Eastern Portion of New York State’s Great Lakes Basin, 2011 and 2012.
  - Mercury and Selenium in Fish in Important Recreational Waters of New York State.

## **PUBLICATIONS**

Closson, K. C., and E. A. Paul. (in Preparation). Comparison of the toxicity of two chelated copper algacides and copper sulfate to non-target fish. *Bulletin of Environmental Contamination and Toxicology*, Target submission date September 2013.