

Cory Sauvé

5 White Oak Blvd
Mechanicsburg, PA 17050

(717) 580-9735
csauve@iu.edu

EDUCATION

Indiana University, Bloomington, IN

December 2019

Master of Science in Environmental Science
Master of Public Affairs

- Concentration: Water Management

Mansfield University of Pennsylvania, Mansfield, PA

May 2017

Bachelor of Science in Biology, with honors (*cum laude*)

- Concentration: Fisheries

WORK EXPERIENCE

Indiana Clean Lakes Program, Bloomington, IN

January 2018 – Present

Graduate Research Assistant

- Identified and enumerated over 300 freshwater phytoplankton and zooplankton samples
- Co-authored the 2015-2018 *Indiana Lake Water Quality Assessment Report*, summarizing limnological data from 320 lakes and 4,000 samples
- Migrated 30 years of data to a MySQL database using R and SQL programming languages
- Analyzed 22 years of water quality monitoring data for Lake Lemon, IN
- Collected and supervised the enumeration and identification of macroinvertebrate samples for a 3-year stream monitoring program
- Conducted field limnological assessments and laboratory analysis for physical, biological, and chemical parameters in support of the Indiana Lake Water Quality Assessment

Indiana University, Bloomington, IN

May 2018 – Present

Teaching Assistant

Limnology (Fall 2018, Fall 2019)

- Instructed a laboratory section for 28 undergraduate and graduate students focusing on lake sampling methods, water quality analysis, phytoplankton and zooplankton taxonomy, benthic macroinvertebrate collection and identification, and freshwater fish taxonomy

Techniques in Environmental Science (Summer 2018, Summer 2019)

- Co-instructed 8 undergraduate students in field and laboratory methods relating to terrestrial and aquatic ecosystems

Stream Ecology (Spring 2019)

- Co-instructed a stream ecology capstone for 12 graduate students incorporating field and laboratory analyses focusing on biological integrity, stream metabolism, and water quality

PA Department of Environmental Protection, Harrisburg, PA

May 2014 – January 2016

Water Pollution Biologist Intern

- Performed stream assessments for the biennial Integrated Water Quality Monitoring and Assessment Report
- Collected water quality data in support of the Susquehanna River Study
- Sampled and identified benthic macroinvertebrate communities for Section 303(d) designations
- Conducted fish tissue surveys for the development of fish consumption advisories
- Surveyed headwater streams through wild trout electrofishing assessments for the Unassessed Waters Initiative

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VOLUNTEER WORK

New Kingstown Fire Company
Senior Firefighter

November 2011 – Present

SKILLS

Programming: R, Python, SQL, HTML, C++

Software: Microsoft Office (Excel, Access, Word, PowerPoint), Esri ArcGIS, OriginPro, SAS, MATLAB, Stata

CERTIFICATIONS

American Health and Safety Institute CPR/AED Certification

December 2016 – Present

Mansfield University Electrofishing Training Certification

May 2015 – Present

PROFESSIONAL ORGANIZATIONS

American Association for the Advancement of Science
Student Member

September 2018 – Present

North American Lake Management Society
Student Member

January 2018 – Present

American Fisheries Society
Student Member

February 2014 – Present

PUBLICATIONS AND PRESENTATIONS

Sauve, Cory. (2019). A story of Indiana lakes through data: The Indiana Lake Water Quality Assessment Report for 2015 to 2019. Technical report presented at the 31st Annual Indiana Lakes Management Society Conference, Syracuse, IN.

Laney, M., Powers, S., & **Sauve, C.** (2019). Indiana Lake Water Quality Assessment Report for 2015-2019. Technical report submitted to the Indiana Department of Environmental Management.

Sauve, Cory. (2018). Changes in water quality across a longitudinal gradient in Lake Lemon, Indiana: A 20-Year Perspective. Presented at the 38th International Symposium of the North American Lake Management Society, Cincinnati, OH.

Sauve, Cory. (2017). The influence of large-scale watershed factors on Brook trout abundance in the Susquehanna River Watershed. Senior thesis presented to the Mansfield University Biology Department, Mansfield, PA.

Sauve, C., Fluharty, R., Mosser, E., & Knoppel, D. (2016). Comparing the Macroinvertebrate Assemblages of Mill Creek and Cabin Creek. Presented at the 2016 Showcase of Student Scholarship, Mansfield, PA.