

Ryan Lumen

Department of Biological Sciences
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RESEARCH INTERESTS:

- Insect conservation
- Insect biodiversity, ecology, systematics, and natural history
- Museum curation and extension

EDUCATION:

- B.A., Biology, University of Minnesota Duluth (2015)

GRADUATE COURSEWORK:

- Teaching and Learning in the Life Sciences, BIOL 5001, University of Minnesota Duluth (2014)
- Field Ecology, Biology 573, Northern Arizona University (2016)
- Internship in College Teaching, Biology 795, Northern Arizona University (2016)

AWARDS AND HONORS:

- Undergraduate Research Opportunity Program (UROP) Funding Award (2014)
- Outstanding Undergraduate Teaching Assistant, University of Minnesota Duluth (2013 – 2014)

TEACHING AND SERVICE EXPERIENCE:

- Graduate Teaching Assistant, Unity of Life II – Biology 182, Northern Arizona University (2016-current)
- Volunteer, Northern Arizona University Science & Engineering Day with the Colorado Plateau Museum of Arthropod Biodiversity (2016)
- Aquatic Macroinvertebrate Instructor, Verde Valley's NRCD "Top Ten Unwanted: Invasives" 7th grade field trips to Montezuma Well, AZ, 2016
- Volunteer, University of Minnesota Duluth insect collection (2013-2016)
- Participant, Survey of Tettegouche State Park Odonata, Minnesota Dragonfly Society Annual Meeting, MN (2015)
- Participant, Lake Superior National Estuarine Research Reserve, "Borer Blitz" survey, Superior, WI (2015)
- Speaker, Minnesota Moth Night Education, Soudan Underground Mine State Park (2014)
- President and Co-Founder, The Entomology Club at University of Minnesota Duluth (2013 – 2015)
- Undergraduate teaching assistant, Entomology – Biology 4781, University of Minnesota Duluth (2013 & 2014)

- Speaker and presenter, Entomology Spotlight, Duluth Children's Museum (2013 & 2014)
- Participant, Lake Vermillion State Park, Minnesota Bioblitz Event (2013)

RESEARCH AND FIELD EXPERIENCE:

- Undergraduate Research Opportunities Program project, University of Minnesota Duluth, A survey of lady beetles (Coleoptera: Coccinellidae) and true bugs (Hemiptera) on Minnesota Point (2014 – 2015)
- Internship, Envirosience, inc. (2013)
 - Sorting, counting, and rearing of all life stages of milfoil weevil (*Euhrychiopsis lecontei*) for control of Eurasian milfoil
- Field assistant, Minnesota Dragonfly Society, Dragonfly (Odonata) surveys in Jay Cooke State Park, MN (2013)
- Field assistant, Ground Beetle (Coleoptera: Carabidae) surveys in Lake Vermillion State Park, MN (2013)
 - Setting and dismantling pitfall traps
 - Specimen sorting, preparation, preservation, and database entry for induction to the University of Minnesota Duluth museum insect collection
- Internship, Museum Insect Collection of the University of Minnesota Duluth (2013 – 2015)
 - Sorting and identifying insects (primarily Hemiptera) in the collection
 - Integrating student collections into the museum collection
 - Data entry for specimens

PROFESSIONAL AFFILIATIONS, TRAINING, AND ACTIVITIES:

- Minnesota Master Naturalist Volunteer training (2015)
- Lake Superior National Estuarine Research Reserve, Emerald Ash Borer identification and recognition workshop, Superior, WI (2015)
- Spider workshop, Boulder Environmental Learning Center, Minnesota (2013)
 - Participant – Training for identification and appreciation of Arachnids and their natural history
- Member, Entomological Society of America (2013-Current)
 - Attended North Central Branch conference in Des Moines, Iowa (2014)
 - Attended and presented at the ESA national conference in Minneapolis, Minnesota (2015)
- Odonata nymph workshop, Minnesota Dragonfly Society, Minnesota (2013)
 - Participant – Training to identify and preserve Odonata nymphs and their exuviae

PUBLICATIONS:

- Steffens, W.P., R.P., Lumen. 2015. Decline in relative abundance of *Hippodamia convergens* (Coleoptera: Coccinellidae) in fall shoreline aggregations on western Lake Superior. *The Great Lakes Entomologist* 48: 159-162.