

Note: Dr. Giberson retired in 2015 and is no longer accepting students

Giberson Lab: Students

UNDERGRADUATE RESEARCH PROJECTS SUPERVISED:

Students in my lab typically worked on projects relating to aquatic entomology, including work on a variety of habitats. There has also been opportunity in my lab for students to do collaborative work on other freshwater biology topics, general insect biodiversity, and agricultural entomology. See the list below for some of the topics we've worked on in the lab.

- ✿ Production of illustrated and interactive keys to aquatic insects
- ✿ General aquatic insect ecology in streams of PEI, NS, & NB
- ✿ Land use effects on streams or estuaries on PEI
- ✿ Biting flies on PEI and the Magdalen Islands
- ✿ Pitcher Plant ecology
- ✿ Invasive species
- ✿ Aquatic insects in Arctic streams



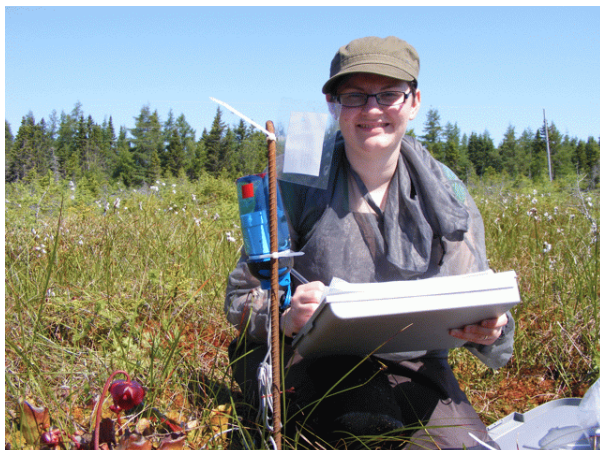
GRADUATE RESEARCH PROJECTS SUPERVISED:

Recent Graduate Students:

Kyle Knysh, MSc

Thesis topic: Biodiversity and impacts of agriculture on aquatic invertebrates in small cold-springs on PEI.

Kyle worked in collaboration with the Souris River watershed on PEI to look at the insects in these small headwater streams, and how they may vary depending on the amount of agriculture in the watershed.



Becca Striman, PhD student

Thesis topic: Intra-guild mutualism among pitcher plants and their insect inquilines.

Becca explored the relationships between the purple pitcher plant and the insect community that lives in the pitcher fluid from the perspective of intraguild mutualism. She investigated aspects of pitcher plant development and morphology in the presence of inquilines as well as ecological patterns in a project co-supervised with Dr. Christian Lacroix.



Kristen Vinke: *Thesis topic:* Challenges in Northern Aquatic Sampling: An investigation into protocols for a sustainable Bimonitoring program in the Sahtu, NWT

Kristen worked in collaboration with the Sahtu Renewable Resources Board in Norman Wells, Northwest Territories, to set up a stream monitoring program that will involve local youth, and provide important baseline data for further study of the local streams. She evaluated a number of sampling protocols to see how relevant they are for sub-arctic conditions. Kristen graduated in 2013.

Jeff Ogden: *Thesis Topic:*

Aquatic insect biodiversity, and influences of logging regime on stream communities in the uplands of Cape Breton Island, Nova Scotia.

Jeff received his MSc from Mount Allison University in 2012 (co-supervised by Dr. Ron Aiken), evaluating aquatic insect community structure in a group of streams in a part of the Cape Breton Highlands that lies adjacent to the National Park. He is a full time employee of Nova Scotia DNR, and worked part time on his master's studies.



Clayton D'Orsay: *Thesis topic:*

The effects of grazing and management intensity on beetle (Carabidae, Curculionoidea and Staphylinidae) diversity on a managed dairy pasture in Nova Scotia, Canada

Clayton was co-supervised by Dr. Dave McCorquodale at Cape Breton University on this intensive study of beetles in pasture blocks with different grazing intensity. He graduated in 2012.

Meghan Marriott: *Thesis topic:* Status and long-term trends in Lady beetles in eastern Canada, based on a combination of current collecting and examination of museum records.

Meghan was also co-supervised by Dr. Dave McCorquodale at Cape Breton University. As part of her research, she travelled to museums across Canada to identify and database their lady beetles, as well as carrying out collecting in PEI and Cape Breton Island. Her study will provide the basis for a series of COSEWIC reports on the status of this colourful group in Canada. She graduated in 2012.

