

# Wild Bees & Urbanization

## Background:

Wild bees are common pollinators found all over the city. In fact, there are about 400 wild bee species in Ontario alone! Unfortunately, a variety of factors are decreasing wild bee populations. This is why it's so important to understand what species are in our own backyards!



## The Project:

My project plans to look at what species of wild bees are commonly found in the City of Ottawa. I will also look at how increasing urbanization affects their abundance and diversity. Hopefully, the results of this study can be used by urban planners to maintain bee diversity in the future.

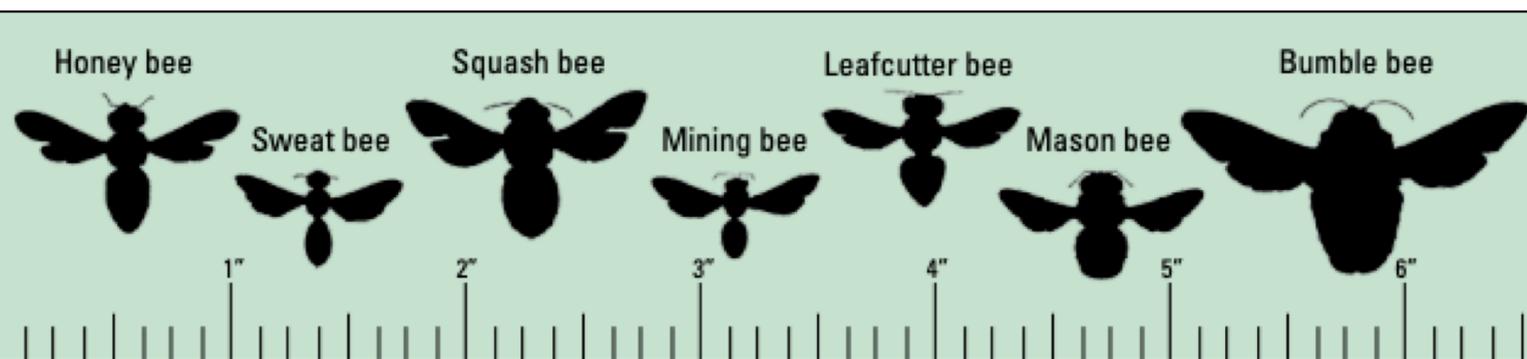


Figure 1. Bees come in many different shapes and sizes! (Adapted from Barbercheck & Mortenson, 2017)

## Methods:

In order to obtain this data, bees will be sampled throughout the city and identified to species level. Traps will be used, but will only be left up for a period of 24 hours, to prevent oversampling.

**Can we use your yard in our study? Contact Me!**

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# Bee Research Needs Your Yard!

**Looking for households with back and/or front yards to participate in wild bee survey work.**

## **Your residence can qualify if:**

- 🐝 It is located within the City of Ottawa
- 🐝 50% of your yard is green space (grass or other plant material)
- 🐝 It has a minimum of one tree
- 🐝 There is zero use of pesticides on weeds

## **What is required of you?**

- 🐝 Access to the yard once a month from May - August

## **What will you get out of this experience?**

- 🐝 All volunteers will be given an information packet with the bee species found in their yard at the conclusion of the study!
- 🐝 A greater appreciation for wild bees!



Cariveau Lab, 2018

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