

Metadata for: BBUMBLE BEE DIVERSITY AND ABUNDANCE SURVEY

This table provides essential information about the program data.

Title	BUMBLE BEE DIVERSITY AND ABUNDANCE SURVEY
Alternative Title	Bumble Bee Diversity Study
Abstract	The Ontario Ministry of Environment, Conservation and Parks as part of the Multi-Media Monitoring study in 2015 initiated a project to characterize the number of species of bumble bees and the relative abundances of these species in southwestern Ontario. Follow-up surveys were conducted in 2016 , 2017 and 2018. Bumble bees were collected from 46 locations to compare the diversity of bees occurring in agricultural and more natural areas. The data set includes: sampling locations, including GPS coordinates and the county name; the number of bumble bee individuals sampled at each site, which is listed for each species and for each caste of a species (queen, worker, male); and other site details such as the date of the site visit. The data can be used to determine species diversity and relative abundance for the locations sampled. The data can also be used to determine the more common species of bumble bees found in southwestern Ontario and provide information for pollinator species diversity in southwestern Ontario.
Purpose	The dataset contains counts of bumble bee species collected from multiple sites in agricultural and seminatural remnant areas in southwestern Ontario between May and October of the survey year
Status	Complete
Cited Responsible Parties	Name: Tom Cowan Telephone: (519) 668-9292 Email: tom.cowan@ontario.ca Organisation: Ministry of the Environment, Conservation and Parks Position: Pesticides Specialist Role: Custodian
Use Limitations	The data is applicable to southwestern Ontario, though not necessarily applicable to the entire province. This is due to the fact that Central, Northern and Eastern Ontario are not as heavily dominated by agricultural landscapes. Collection of samples from agricultural sites was mainly in publicly accessible locations. Agriculture is the dominant land use in southwestern Ontario and semi-natural remnant locations with bee forage were sometimes difficult to locate. Bees captured in seminatural remnant locations may also be exposed to agricultural locations when foraging. The best available semi-natural remnant locations with bee forage in publicly accessible locations and in locations where permission was granted were used as sample locations. Additional Considerations: Sample set likely represents the most common species found in southwestern Ontario. Additional sampling is needed to find more rare species existing in isolated populations.
Geographic Bounds	West bound : - 95.15699 East bound : - 74.30798 South bound : 41.6723 North bound: 56.850117
Supplemental Information	DATA AVAILABILITY ***** OPEN DATA CATALOGUE https://www.ontario.ca/data/bumble-bee-diversity-and-abundance-survey REPORTS 2015 https://files.ontario.ca/moe_mapping/downloads/4Other/PHAP/Reports/2015_PHAP_Bumble_Bee_Study.docx
Date Stamp	2022/02/16