## *Bombus affinis*

- Present
- Presence Expected
- Historical

NatureServe Canada

Ecosystem-based Automated Range (EBAR)

Date Generated: March 23, 2024; Version: 1.0; Stage: Expert Reviewed (National); Scope: Canadian

Synonyms Used: None

0 220 440 km

Input Records - 5 ACCDC Observations, 284 Bumble Bees of North America, 8 Canadian Wildlife Service, 13 GBIF, 5 iDigBio, 2 iNaturalist.ca, 3 iNaturalist.org, 94 ON Element Occurrences, 236 ON Observations and Source Features, 2 US Element Occurrences; Expert Reviews - Syd Cannings, 2 Anonymous

Map centre: 79.736° W 46.0986° N

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EBAR is relatively coarse scale data and not intended for all applications and analysis. Please see full disclaimer in metadata.

# Ecosystem-based Automated Range (EBAR) Metadata

## Species

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|---|---|
| **National Scientific Name:** | *Bombus affinis* Cresson, 1863 |
| **Scientific Name Reference:** | Williams, P.H., R.W. Thorp, L.L. Richardson, and S.R. Colla. 2014b. Bumble bees of North America: an Identification Guide. Princeton University Press. 208 pp. |
| **National English Name:** | Rusty-patched Bumble Bee |
| **National French Name:** | Bourdon à tache rousse |
| **Element National ID:** | 728947 |
| **Element Global ID:** | 108845 (go to NatureServe Explorer) |
| **Element Code:** | IIHYM24020 |
| **Endemism Type:** | N |
| **Canadian COSEWIC Name:** | |
| **Canadian COSEWIC ID:** | 1081 |

## Rank/Status

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|---|---|
| **Global Rank:** | G2 (reviewed April 07, 2018) |
| **National Rank (Canada):** | N1 (reviewed 2022) |
| **Subnational Ranks (Canada):** | NB=SH, ON=S1, QC=SNR |
| **National Rank (United States):** | NNR |
| **Subnational Ranks (United States):** | AL=SNR, CT=SX, DC=SNR, DE=SNR, GA=SH, IA=SNR, IL=S1, IN=S1, KY=SH, MA=SX, MD=S1, ME=SH, MI=SH, MN=SNR, NC=S1, ND=SH, NH=SH, NJ=S1, NY=SH, OH=S1, PA=S1, RI=SNR, SC=SH, SD=SNR, TN=S1, VA=S1, VT=SX, WI=S1, WV=S1 |
| **National Rank (Mexico):** | None |
| **Subnational Ranks (Mexico):** | None |
| **Canadian SARA Status:** | Endangered/En voie de disparition (June 20, 2012) |
| **Canadian COSEWIC Status:** | Endangered (December 01, 2022) |
| **US ESA Status:** | None |

## Range Map

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|---|---|
| **Date Generated:** | March 23, 2024 |
| **Version:** | 1.0 |
| **Stage:** | Expert Reviewed (National) |
| **Scope:** | Canadian |
| **Metadata:** | Primary Species - *Bombus affinis* Cresson, 1863<br>Input Records - 5 ACCDC Observations, 284 Bumble Bees of North America, 8 Canadian Wildlife Service, 13 GBIF, 5 iDigBio, 2 iNaturalist.ca, 3 iNaturalist.org, 94 ON Element Occurrences, 236 ON Observations and Source Features, 2 US Element Occurrences; Expert Reviews - Syd Cannings, 2 Anonymous |
| **Comments:** | Species has not been recorded in Canada since before 2010, so that has been deemed the cutoff for "historical".<br>Please see spatial data for Ecoshape-level reviewer comments. |
| **Disclaimer:** | Please review our methods document before using EBAR.<br>EBAR range data are relatively coarse scale and appropriate for screening and education purposes, but are not intended for all types of applications and analysis.<br>The absence of data in any geographic areas does not necessarily mean that a species is not present.<br>An ecoshape with a presence value does not necessarily mean that a species is present throughout the entire geographic area. |
| **Presence Definitions:** | (Please see Comments above for any exceptions)<br>Present - the species is found within the ecoshape based on species observation data, Element Occurrences, Source Features, Canadian Federal Critical Habitat, or expert opinion.<br>Presence Expected - expert opinion the species may be present, or the ecoshape overlapped with a range estimate or a habitat suitability model.<br>Historical - all species occurrence data within the ecoshape contains observation data greater than 40 years old or an Element Occurrence (EO) that was ranked as Extirpated or Historical (EO Rank of H, H?, X or X?). |
| **Usage Type Definitions:** | (Please see Comments above for any exceptions)<br>Breeding - the species is thought to breed within the ecoshape based on eBird Breeding and Behaviour Codes or expert opinion.<br>Possible Breeding - the species is probably or possibly breeding within the ecoshape based on eBird, BBA or jurisdiction Breeding and Behaviour Codes, or on expert opinion. |
| **Map Projection:** | North America Albers Equal Area Conic (WKID 4269) |

## Credits

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| **Suggested Citation:** | NatureServe Canada, 2020. Ecosystem-based Automated Range (EBAR) for Bombus affinis, Version 1.0, Expert Reviewed (National) (Canadian Scope). Ottawa, Canada. Retrieved from [insert url] on [insert date] |
| **License:** | Ecosystem-based Automated Range (EBAR) Project, Copyright NatureServe Canada 2022 under CC BY 4.0 (creativecommons.org/licenses/by/4.0/) |
| **Project Website:** | www.natureserve.org/canada/ebar |
| **Contact:** | ebar-kba@natureserve.ca |
| **Input References:** | ACCDC Observations - Atlantic Canada Conservation Data Centre<br>Bumble Bees of North America - Richardson, L. L. 2019. Bumble bees of North America occurrence records database. www.leifrichardson/bbna. Data accessed 11-21-2019.<br>Canadian Wildlife Service - Canadian Wildlife Service, Quebec Region, Environment and Climate Change Canada, Government of Canada. Service canadian de la faune, Région du Québec, Environnement et Changement climatique Canada, Gouvernement du Canada.<br>GBIF - Global Biodiversity Information Facility<br>iDigBio - Integrated Digital Biocollection<br>iNaturalist.ca - California Academy of Sciences and the National Geographic Society<br>iNaturalist.org - California Academy of Sciences and the National Geographic Society<br>ON Element Occurrences - Natural Heritage Information Centre, Ontario Ministry of Natural Resources and Forestry<br>ON Observations and Source Features - Natural Heritage Information Centre, Ontario Ministry of Natural Resources and Forestry<br>US Element Occurrences - NatureServe and its Natural Heritage Programs |
| **Reviewers by Taxa:** | Reviewers by Taxa |