

Alaska Natural Heritage Program

Conservation Status Report

Bombus bohemicus Seidl, 1837

Common Name: Gypsy Cuckoo-bee, Gypsy Cuckoo Bumble Bee, Ashton Cuckoo Bumble Bee

ELCODE: IIHYM24510	Taxonomic Serial No.: 714875
---------------------------	-------------------------------------

Synonyms: *Bombus ashtoni* (Cresson, 1864); *Psithyrus ashtoni* (Cresson, 1864)

Taxonomy Notes:

Report last updated – June 8, 2017

Conservation Status

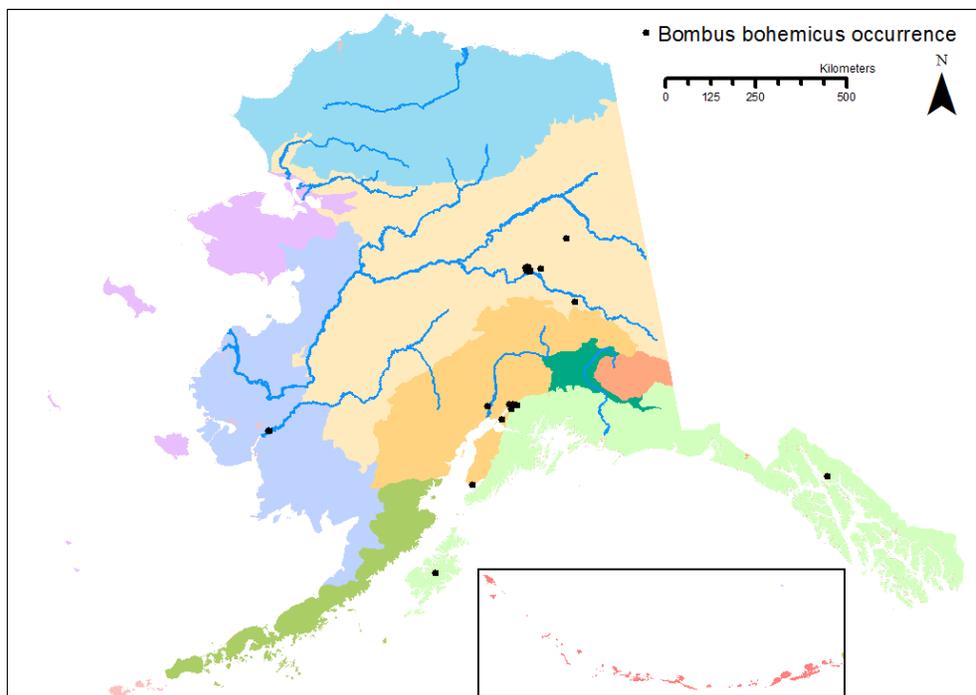
G4 S3	ASRS: not yet ranked
-------	----------------------

Occurrences, Range

Number of Occurrences: 22; number of museum records: 273 (American Museum of Natural History, Canadian National Collection, Univ. of Kansas, University of Alaska Museum Insect Collection)

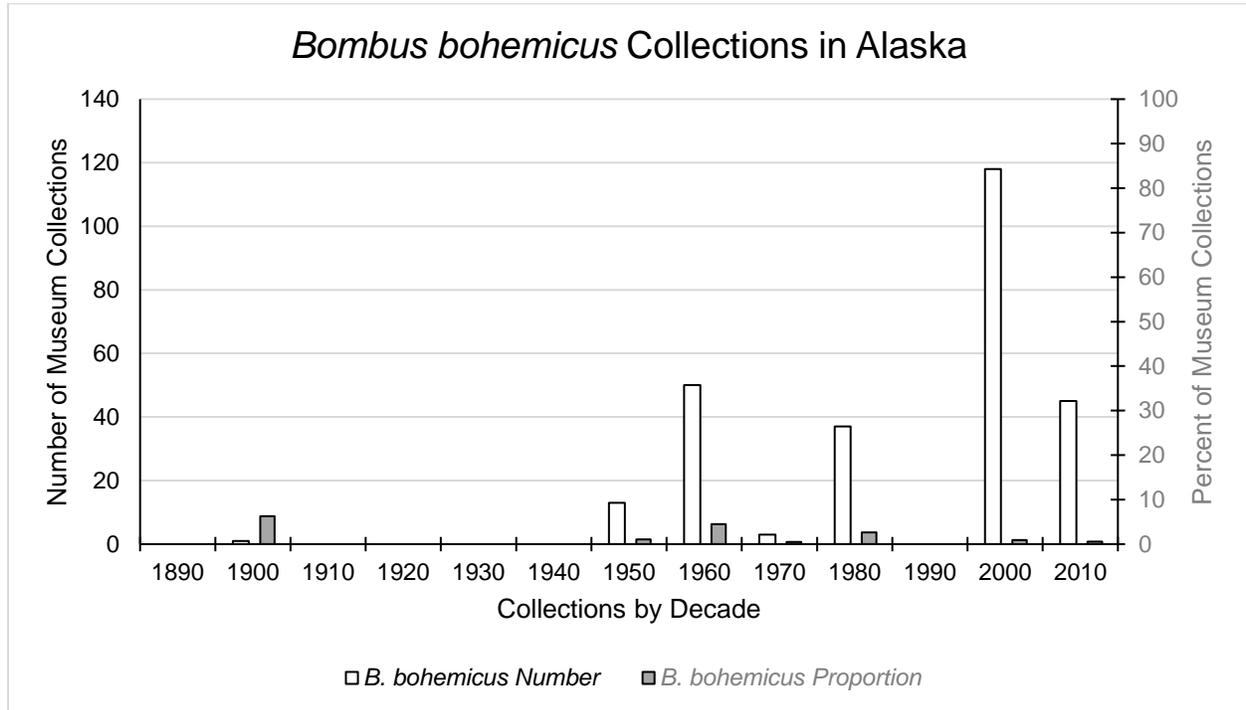
AK Range Extent: 608,722 km²; 4-km² grid cells: 22. Occurs in Central Interior, Matanuska Valley, Kenai, Kodiak, YK Delta, and Juneau.

North American Distribution: Significantly centered in north east North America (Eastern Temperate Forest) and Canadian Great Plains. Distribution dwindles westward in Canada toward Alaska.



Trends

Trends are based on museum voucher collections of all *Bombus* species. Short-term trends are focus the past two decades (2000's and 2010s), whereas long-term trends are based on all years. Data originate from museum voucher collections only and are summarized by decade. White bars indicate the number of voucher collections for the species. Grey bars indicate the percent of *Bombus bohemicus* to all *Bombus* species.



Short-term: There is approximately a 30% decline in proportion collected within the past two decades. Declining rapidly in most of its range (Williams et al. 2014).

Long-term: There has been a significant decline (> 50%) in the proportion of *B. bohemicus* collected.

Threats

Scope and Severity: Unknown.

Comments: Unknown.

Ecology

Habitat: unknown

Known Alaskan Floral Resources: *Melilotus**, *Rubus*, *Vaccinium*

**denotes non-native species*

Nesting behavior: Parasite of other species.

Parasitism: Social parasite of *B. terricola*, and *B. affinis*, possibly of *B. occidentalis* and *B. cryptarum*.

Ecological Integrity of Occurrences: Known occurrences are found in population centers that typically have lower ecological intactness and condition.

Literature

GBIF.org (7th April 2017) GBIF Occurrence Download <http://doi.org/10.15468/dl.nvc9vf>

idigbio.org. (2017), 43395 records, accessed on 2017-03-01T21:39:42.991495, contributed by 10 Recordsets, Recordset identifiers:

<http://www.idigbio.org/portal/recordsets/a6eee223-cf3b-4079-8bb2-b77dad8cae9d> (43165 records); <http://www.idigbio.org/portal/recordsets/271a9ce9-c6d3-4b63-a722-cb0adc48863f> (56 records); <http://www.idigbio.org/portal/recordsets/4f436daa-01d5-4be6-b5c3-fdd255677536> (51 records); <http://www.idigbio.org/portal/recordsets/ea5f19e-ff6f-4d09-8b55-4a6810e77a6c> (37 records); <http://www.idigbio.org/portal/recordsets/5e893602-84ca-4c8c-bac1-99111c777582> (27 records); <http://www.idigbio.org/portal/recordsets/da67ebd9-52de-444d-b114-e23c03111ac6> (27 records); <http://www.idigbio.org/portal/recordsets/69037495-438d-4dba-bf0f-4878073766f1> (12 records); <http://www.idigbio.org/portal/recordsets/6539877e-82dc-485c-ad3d-038f383d5431> (9 records); <http://www.idigbio.org/portal/recordsets/db4bb0df-8539-4617-ab5f-eb118aa3126b> (6 records); <http://www.idigbio.org/portal/recordsets/fc628e53-5fdf-4436-9782-bf637d812b48> (5 records)

Koch JB, Cordes N, Solter LF, Griswold TL, Ikerd HW, Cameron SA, Lozier JD, Strange JP, Stewart I (2015): US *Bombus*, contemporary survey data of North American bumble bees (Hymenoptera, Apidae, *Bombus*) distributed in the United States. v2.4. ZooKeys. Dataset/Occurrence. <http://ipt.pensoft.net/resource?r=usbombus&v=2.4>

Pampell, R., Sikes, D., Pantoja, A., Holloway, P., Knight, C., Ranft, R. 2015. Bumble Bees (Hymenoptera: Apidae: *Bombus* spp.) of interior Alaska: Species composition, distribution, seasonal biology, and parasites. Biodiversity Data Journal 3: e5085. doi: 10.3897/BDJ.3.e5085

Williams, P. H., Thorp, R. W., Richardson, L. L., & Colla, S. R. (2014). *Bumble bees of North America: an identification guide*. Princeton University Press.

Woodard, H. (Feb. 28, 2017). Personal communication, email of collection data.

University of Alaska Museum Insect Collection. <http://dx.doi.org/doi:10.7299/X75D8S0H>. (Records Accessed 24th February 2017).