

Alaska Natural Heritage Program

Conservation Status Report

Bombus sitkensis Nylander, 1848

Common Name: Sitka Bumble Bee

ELCODE: IIHYM24230	Taxonomic Serial No.: 714835
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Synonyms: *Pyrobombus sitkensis* Nylander, 1848

Report last updated – June 12, 2017

Conservation Status

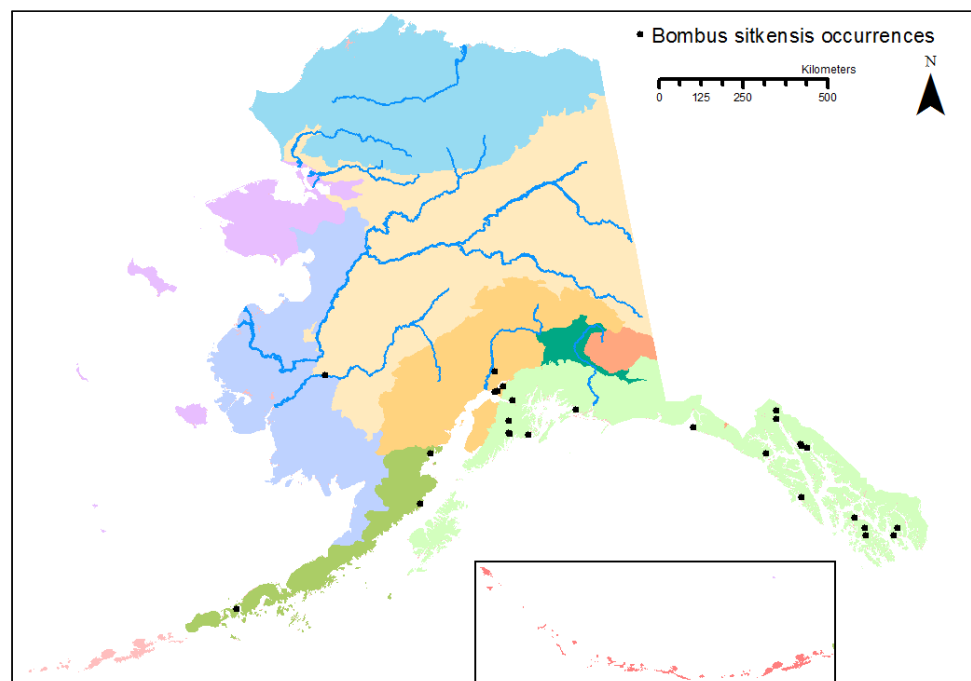
G4G5 S3	ASRS: not yet ranked
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Occurrences, Range

Number of Occurrences: 29; number of museum records: 143 (American Museum of Natural History, Ohio State University, Columbus, Canadian National Collection, Illinois Natural History Survey, Univ. of Kansas, University of Alaska Museum Insect Collection., U.C. Davis, Koch et al. 2015).

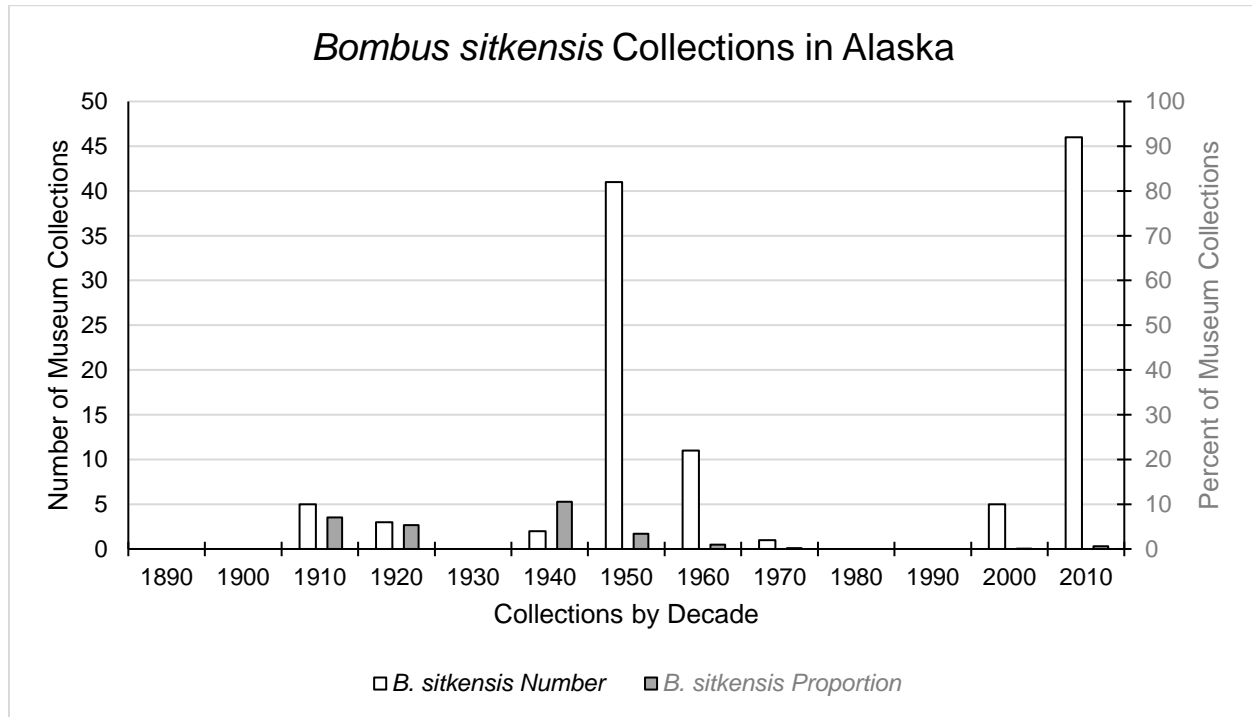
AK Range Extent: 374,373 km²; 4- km² grid cells: 29; Found in south coastal regions of Alaska in Coastal Rainforests and Alaska Peninsula. Also found in YK Delta (single specimen record from 1957) and Matanuska Valley.

North American Distribution:
Alaska southward along maritime Coastal Rainforests to Pacific Northwest and California coast.



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 sitkensis* to all *Bombus* species.



Short-term: Appears stable in proportion collected (< 10% change) in the past two decades.

Long-term: Appears to have a decline in proportion collected of ~10% since the 1940s.

Threats

Scope and Severity: Unknown.

Ecology

Habitat: open grassy areas, meadows.

Known Alaskan Floral Resources: *Chamerion angustifolium*

Nesting behavior: underground

Parasitism: unknown

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).